

# VOLVO

## Spare parts for trucks

**Qualität – made by  
dph Germany**



**Dichtungspartner Hamburg**

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# Qualität – made by dph Germany



**Dichtungspartner Hamburg**

# High quality guarantees growing success



We have always supplied our customers with high quality seals for the following sectors: Automobile, hydraulic seals, mountings and other fields all at reasonable prices and quick delivery. We can count many well-known companies throughout the world as satisfied customers.

#### **Four strategies guarantee our success:**

- First rate products with top class quality assured
- Short delivery times due to our own stock levels
- Flexibility in the procurement of all parts
- Attractive pricing policy

Fully automated electronic quality checks and manufacturing to DIN standards guarantee continuous high quality products. To your advantage and always at very fair prices.

## **Perfect manufacturing and continuous quality assurance**

Together we are strong – this is the maxim in our group. High quality is not achieved just as a result of monitoring but of production technique. Therefore, Dichtungspartner Hamburg receives the bulk of its products from OEM suppliers and from suppliers whose quality management is certified in accordance with DIN/ISO 9000/9001.

Despite this, we still think it is necessary to check the finished products thoroughly once more within our group according to DIN/ISO 9001. Our high-grade measuring instruments are checking the radial force of oil seals, the tensile strength of elastomers, the compression set and the surface quality by means of computer-based cameras and many more. The results of the checks are registered and filed. It is good to have confidence but qualification is better!

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# OEM numbers, reference list

| OEM number  | page | description                                  |
|-------------|------|----------------------------------------------|
| 1 070 379-1 | 43   | Oil seal                                     |
| 1 075 255-8 | 101  | Bushing V-stay                               |
| 1 075 725   | 46   | Sealing ring/Valve stem seal                 |
| 1 080 437   | 56   | Repair kit (engine)                          |
| 1 089 552-2 | 44   | Oil seal                                     |
| 1 089 552-2 | 91   | Oil seal front wheel hub, trailing wheel hub |
| 1 134 962-8 | 100  | Rubber bushing                               |
| 1 139 840-1 | 43   | Oil seal                                     |
| 1 190 064-4 | 43   | Oil seal                                     |
| 1 190 395   | 56   | Repair kit (engine)                          |
| 1 317 466-9 | 44   | Thermostat seal                              |
| 1 503 490-3 | 72   | Rubber cushion front engine mount            |
| 1 508 996   | 56   | Repair kit (engine)                          |
| 1 518 358   | 56   | Repair kit (engine)                          |
| 1 518 359   | 56   | Repair kit (engine)                          |
| 1 518 360   | 57   | Repair kit (engine)                          |
| 1 518 399   | 43   | Oil seal                                     |
| 1 518 741   | 82   | Diaphragm brake cylinder                     |
| 1 522 372-0 | 92   | Oil seal rear axle hub reduction             |
| 1 522 373-8 | 89   | Oil seal                                     |
| 1 522 894-3 | 89   | Oil seal                                     |
| 1 522 895-0 | 90   | Oil seal pinion differential carrier         |
| 1 522 896   | 43   | Oil seal                                     |
| 1 523 239   | 43   | Oil seal                                     |
| 1 526 181   | 47   | Sealing ring/Valve stem seal                 |
| 1 526 181   | 67   | Washers                                      |
| 1 526 439   | 47   | Sealing ring/Valve stem seal                 |
| 1 526 439   | 71   | Gasket                                       |
| 1 526 474-0 | 80   | Seal ring                                    |
| 1 526 525-9 | 71   | Gasket                                       |
| 1 526 688-5 | 43   | Oil seal                                     |
| 1 526 817-0 | 79   | Seal ring                                    |
| 1 526 828-7 | 75   | Oil seal                                     |
| 1 542 780-0 | 68   | Gasket                                       |
| 1 542 781-8 | 71   | Gasket                                       |
| 1 542 783-4 | 45   | Sealing ring                                 |
| 1 543 027   | 51   | Valve                                        |
| 1 544 410-2 | 45   | Thermostat seal                              |
| 1 545 135-4 | 48   | Valve guide                                  |
| 1 545 135-4 | 48   | Valve guide                                  |
| 1 545 886-2 | 49   | Valve seat ring                              |
| 1 546 229-4 | 21   | Cylinder liner sealing ring kit              |
| 1 546 229-4 | 22   | Liner rings                                  |
| 1 547 492   | 51   | Valve                                        |
| 1 556 472   | 51   | Valve                                        |
| 1 556 473   | 51   | Valve                                        |
| 1 573 891-7 | 72   | Rubber cushion rear engine mount             |
| 1 575 339-5 | 99   | Rubber bushing rear anti-roll bar            |
| 1 575 525-9 | 92   | Tab washer front wheel hub, steering knuckle |
| 1 580 009-7 | 99   | Rubber bushing rear anti-roll bar            |
| 1 580 010-5 | 99   | Rubber bushing rear anti-roll bar            |
| 1 581 543-4 | 95   | Plastic bearing bogie                        |
| 1 586 089-3 | 98   | Shackle bushing spring                       |
| 1 586 316   | 73   | Motor rubber cushion                         |
| 1 587 261-7 | 99   | Rubber bushing rear anti-roll bar            |

| OEM number                    | page | description                                  |
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| 1 587 792-1                   | 44   | Oil seal                                     |
| 1 587 792-1                   | 91   | Oil seal front wheel hub, trailing wheel hub |
| 1 588 445-5                   | 101  | Sleeve anti-roll bar                         |
| 1 589 807-5                   | 98   | Plastic bushing front anti-roll bar          |
| 1 590 264                     | 57   | Repair kit (engine)                          |
| 1 590 885-8                   | 95   | Bushing balance arm bogie suspension         |
| 1 591 903-8 (now 1 610 765-8) | 91   | Oil seal, trailing wheel hub                 |
| 1 593 431-8                   | 95   | Thrust washer balance arm bogie suspension   |
| 1 593 459-9                   | 43   | Oil seal                                     |
| 1 594 257-6                   | 43   | Oil seal                                     |
| 1 594 266                     | 57   | Repair kit (engine)                          |
| 1 598 588                     | 100  | Rubber bushing                               |
| 1 598 761-3 (now 1 608 019-4) | 98   | Shackle bushing rear spring                  |
| 1 598 764-7                   | 97   | Shackle pin (bolt) rear spring               |
| 1 598 766-2                   | 97   | Shackle pin (bolt) rear spring, rear end     |
| 1 599 919                     | 57   | Repair kit (engine)                          |
| 1 605 047-8                   | 99   | Rubber bushing rear anti-roll bar            |
| 1 605 093                     | 73   | Motor rubber cushion                         |
| 1 605 182-3                   | 99   | Rubber bushing rear anti-roll bar            |
| 1 607 561-6                   | 100  | Rubber bushing rear anti-roll bar            |
| 1 608 019-4 (1 598 761-3)     | 98   | Shackle bushing rear spring                  |
| 1 609 768-5                   | 99   | Rubber bushing rear anti-roll bar            |
| 1 609 960-8                   | 97   | Shackle pin rear spring                      |
| 1 610 078-6                   | 68   | Gasket                                       |
| 1 610 110-7                   | 98   | Shackle bushing spring                       |
| 1 610 765-8 (1 591 903-8)     | 91   | Oil seal, trailing wheel                     |
| 1 610 765-8 FPM (944 666-7)   | 91   | Oil seal inner, rear wheel hub               |
| 1 611 420-9                   | 72   | Rubber cushion front engine mount            |
| 1 611 551-1                   | 98   | Plastic bushing front anti-roll bar          |
| 1 611 815                     | 57   | Repair kit (engine)                          |
| 1 612 335                     | 57   | Repair kit (engine)                          |
| 1 614 229-1                   | 97   | Shackle pins front spring                    |
| 1 614 230-9                   | 97   | Shackle pins front spring                    |
| 1 614 796                     | 82   | Diaphragm brake cylinder                     |
| 1 614 797-7                   | 81   | Diaphragm brake cylinder                     |
| 1 614 798-5                   | 81   | Diaphragm brake cylinder                     |
| 1 614 799-3                   | 81   | Diaphragm brake cylinder                     |
| 1 620 462                     | 57   | Repair kit (engine)                          |
| 1 623 745-5                   | 72   | Rubber cushion front engine mount            |
| 1 625 954-1                   | 101  | Sleeve anti-roll bar                         |
| 1 655 435                     | 76   | Clutch servo cylinder                        |
| 1 655 638                     | 68   | Gasket                                       |
| 1 655 639-1                   | 75   | Clutch servo cylinder                        |
| 1 655 778                     | 68   | Gasket                                       |
| 1 655 780-3                   | 68   | Gasket                                       |
| 1 664 473-4                   | 46   | Sealing ring/Valve stem seal                 |
| 1 668 501-8                   | 76   | Clutch servo cylinder                        |
| 1 669 618                     | 43   | Oil seal                                     |
| 1 672 249-8 (now 1 522 372-0) | 92   | Oil seal                                     |
| 1 676 306                     | 55   | Thermostat                                   |
| 1 695 593                     | 44   | Oil seal                                     |
| 1 696 123                     | 58   | Repair kit (engine)                          |
| 1 696 124                     | 58   | Repair kit (engine)                          |
| 1 696 135-8                   | 32   | Installation paste                           |
| 1 696 389-4                   | 78   | Support bearing kit propeller shaft          |

| OEM number                    | page | description                                  |
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| 1 696 446-2                   | 83   | Thrust pin Z-cam                             |
| 1 696 448-8 (now 3 090 954-3) | 83   | Dust cover Z-cam                             |
| 1 696 450-4                   | 85   | Repair kit                                   |
| 1 696 924-8                   | 88   | Pinion Z-cam                                 |
| 1 696 925-5                   | 88   | Pinion Z-cam                                 |
| 1 697 318                     | 59   | Repair kit (engine)                          |
| 1 697 318                     | 85   | Repair kit                                   |
| 151 835-6                     | 56   | Repair kit (engine)                          |
| 151 837-2                     | 68   | Gasket                                       |
| 190 418-4                     | 46   | Sealing ring/Valve stem seal                 |
| 190 418-4                     | 47   | Sealing ring/Valve stem seal                 |
| 191 160-1                     | 91   | Oil seal front wheel hub                     |
| 191 179-1                     | 92   | Lock washer rear wheel hub, trail. wheel hub |
| 192 600-5                     | 75   | Oil seal                                     |
| 231 938-2                     | 43   | Oil seal                                     |
| 240 017-4                     | 66   | Washers                                      |
| 240 022                       | 43   | Oil seal                                     |
| 241 625                       | 44   | Oil seal                                     |
| 244 830-6                     | 58   | Repair kit (engine)                          |
| 247 597-7                     | 43   | Oil seal                                     |
| 263 567-0                     | 79   | Support bearing kit propeller shaft          |
| 267 268-1                     | 74   | Oil seal gearbox input shaft                 |
| 267 269-9 (943 704-7)         | 74   | Oil seal gearbox input shaft                 |
| 267 316-8                     | 74   | Oil seal gearbox input shaft                 |
| 267 386-1                     | 68   | Gasket                                       |
| 270 171-2                     | 93   | Gasket kit steering gear                     |
| 270 488                       | 58   | Repair kit (engine)                          |
| 270 549                       | 58   | Repair kit (engine)                          |
| 270 575-4                     | 54   | Injector sleeve kit                          |
| 270 586-1                     | 77   | Repair kit clutch servo                      |
| 270 688                       | 13   | Cylinder head gasket set                     |
| 270 694-3                     | 79   | Repair kit air dryer                         |
| 270 698-4 (now 3 090 471-8)   | 85   | Repair kit air brake compressor              |
| 270 751-1                     | 24   | Turbo connection gasket set                  |
| 270 757-8 (now 276 815-6)     | 24   | Turbo connection gasket set                  |
| 270 758-6 (now 276 815-6)     | 24   | Turbo connection gasket set                  |
| 270 761-0                     | 14   | Complementary gasket set decarbonizing       |
| 270 762-8 (275 717-7)         | 13   | Complementary gasket set decarbonizing       |
| 270 764-4                     | 23   | Manifold gasket set                          |
| 270 765-1 (275 780-5)         | 23   | Manifold gasket set                          |
| 270 766-9 (275 449-7)         | 22   | Manifold gasket set                          |
| 270 768-5 (275 591-6)         | 23   | Manifold gasket set                          |
| 270 769-3 (275 590-8)         | 23   | Manifold gasket set                          |
| 270 770-1 (275 523-9)         | 14   | Complementary gasket set decarbonizing       |
| 270 771-9                     | 23   | Manifold gasket set                          |
| 270 772-7                     | 24   | Manifold gasket set                          |
| 270 774-3                     | 15   | Conversion gasket set engine overhaul        |
| 270 775-0 (275 784-7)         | 16   | Conversion gasket set engine overhaul        |
| 270 776-8 (now 276 123-7)     | 16   | Conversion gasket set engine overhaul        |
| 270 777-6 (275 716-9)         | 15   | Conversion gasket set engine overhaul        |
| 270 778-4 (275 718-5)         | 15   | Conversion gasket set engine overhaul        |
| 270 779-2 (275 524-7)         | 15   | Conversion gasket set engine overhaul        |
| 270 782-6 (275 534-6)         | 16   | Conversion gasket set engine overhaul        |
| 270 789-1                     | 12   | Cylinder head gasket set                     |
| 270 823-8                     | 74   | Gearbox gasket set                           |
| 270 824-6                     | 74   | Gearbox gasket set                           |
| 270 890                       | 86   | Repair kit                                   |
| 270 909                       | 58   | Repair kit (engine)                          |
| 270 910                       | 86   | Repair kit                                   |
| 270 925-1                     | 78   | Repair kit split cylinder                    |
| 270 926-9                     | 78   | Repair kit range cylinder                    |
| 270 935-0                     | 19   | Cylinder liner sealing ring kit              |
| 270 946-7                     | 54   | Injector sleeve kit                          |
| 270 949-1                     | 13   | Cylinder head gasket set                     |

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| 270 950-9                   | 19   | Cylinder liner sealing ring kit                  |
| 270 957-4 (275 528-8)       | 15   | Conversion gasket set engine overhaul            |
| 270 958-2                   | 23   | Manifold gasket set                              |
| 270 969                     | 86   | Repair kit                                       |
| 270 997-0 (275 529-6)       | 24   | Turbo connection gasket set                      |
| 271 089-5                   | 24   | Turbo connection gasket set                      |
| 271 106-7                   | 76   | Repair kit clutch master cylinder                |
| 271 130-7 (now 276 125-2)   | 17   | Conversion gasket set engine overhaul            |
| 271 155-4                   | 19   | Cylinder liner sealing ring kit                  |
| 271 156-2 (275 730-0)       | 19   | Cylinder liner sealing ring kit                  |
| 271 157-0                   | 18   | Cylinder liner sealing ring kit                  |
| 271 158-8 (275 734-2)       | 18   | Cylinder liner sealing ring kit                  |
| 271 159-6 (275 778-9)       | 18   | Cylinder liner sealing ring kit                  |
| 271 160-4 (275 461-2)       | 18   | Cylinder liner sealing ring kit                  |
| 271 161-2 (275 772-2)       | 18   | Cylinder liner sealing ring kit                  |
| 271 162-0 (275 567-6)       | 18   | Cylinder liner sealing ring kit                  |
| 271 181-0                   | 19   | Cylinder liner sealing ring kit                  |
| 271 194-3                   | 76   | Repair kit clutch servo                          |
| 271 195-0 (now 276 335-7)   | 77   | Repair kit gearbox inhibitor valve               |
| 271 197-6 (now 3 094 518-2) | 78   | Repair kit for cover to split and range cylinder |
| 271 198-4 (now 3 094 518-2) | 78   | Repair kit for cover to split and range cylinder |
| 271 252                     | 58   | Repair kit (engine)                              |
| 271 524-1                   | 93   | Gasket kit steering gear                         |
| 271 525-8                   | 93   | Gasket kit steering gear                         |
| 271 526-6                   | 59   | Repair kit (engine)                              |
| 271 560-5                   | 94   | Gasket kit steering gear                         |
| 271 561                     | 93   | Gasket kit steering gear                         |
| 271 567-0                   | 93   | Gasket kit steering gear                         |
| 272 571                     | 86   | Repair kit                                       |
| 272 574                     | 59   | Repair kit (engine)                              |
| 272 575                     | 59   | Repair kit (engine)                              |
| 272 576                     | 59   | Repair kit (engine)                              |
| 272 577                     | 86   | Repair kit                                       |
| 272 623                     | 59   | Repair kit (engine)                              |
| 272 624                     | 59   | Repair kit (engine)                              |
| 272 625                     | 59   | Repair kit (engine)                              |
| 272 626                     | 60   | Repair kit (engine)                              |
| 272 631                     | 60   | Repair kit (engine)                              |
| 272 632                     | 60   | Repair kit (engine)                              |
| 272 660                     | 60   | Repair kit (engine)                              |
| 272 665 (now 3 090 471-8)   | 85   | Repair kit air brake compressor                  |
| 272 709                     | 60   | Repair kit (engine)                              |
| 272 712                     | 86   | Repair kit                                       |
| 272 721-2                   | 81   | Repair kit air dryer drain valve                 |
| 272 726                     | 60   | Repair kit (engine)                              |
| 272 730                     | 60   | Repair kit (engine)                              |
| 272 731                     | 86   | Repair kit                                       |
| 272 760-0                   | 79   | Repair kit air dryer                             |
| 272 790                     | 87   | Repair kit                                       |
| 272 794                     | 87   | Repair kit                                       |
| 272 801                     | 61   | Repair kit (engine)                              |
| 272 808                     | 61   | Repair kit (engine)                              |
| 272 813-7                   | 85   | Repair kit air brake compressor                  |
| 272 860                     | 87   | Repair kit                                       |
| 272 864                     | 61   | Repair kit (engine)                              |
| 272 866                     | 61   | Repair kit (engine)                              |
| 272 875                     | 87   | Repair kit                                       |
| 272 878                     | 61   | Repair kit (engine)                              |
| 272 884                     | 61   | Repair kit (engine)                              |
| 272 896                     | 61   | Repair kit (engine)                              |
| 272 905-1                   | 84   | Sealing kit Z-cam                                |
| 272 910-1                   | 84   | Cross shaft Z-cam                                |
| 273 081-0                   | 77   | Repair kit gearbox control cylinder              |
| 273 082-8                   | 77   | Repair kit gearbox inhibitor valve               |

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| 273 375                   | 62   | Repair kit (engine)                    |
| 273 394-7                 | 92   | Oil seal kit rear axle hub reduction   |
| 273 404-4                 | 96   | Gasket kit bogie lift cylinder         |
| 273 632-0                 | 76   | Repair kit clutch servo                |
| 273 660-1                 | 76   | Repair kit clutch master cylinder      |
| 273 665-0                 | 78   | Repair kits split cylinder             |
| 273 706                   | 62   | Repair kit (engine)                    |
| 273 712-0                 | 96   | Gasket kit bogie lift cylinder         |
| 273 821-9 (now 276 130-2) | 17   | Injector sleeve kit                    |
| 273 822-7                 | 54   | Injector sleeve kit                    |
| 273 983-7                 | 54   | Injector sleeve kit                    |
| 274 104                   | 62   | Repair kit (engine)                    |
| 274 105                   | 62   | Repair kit (engine)                    |
| 274 106                   | 62   | Repair kit (engine)                    |
| 275 449-7 (now 270 766-9) | 22   | Manifold gasket set                    |
| 275 460-4                 | 18   | Cylinder liner sealing ring kit        |
| 275 461-2 (now 271 160-4) | 18   | Cylinder liner sealing ring kit        |
| 275 523-9 (now 270 770-1) | 14   | Complementary gasket set decarbonizing |
| 275 524-7 (now 270 779-2) | 15   | Conversion gasket set engine overhaul  |
| 275 525-4                 | 12   | Cylinder head gasket set               |
| 275 528-8 (now 270 957-4) | 15   | Conversion gasket set engine overhaul  |
| 275 529-6 (now 270 997-0) | 24   | Turbo connection gasket set            |
| 275 530-4 (now 276 034-6) | 14   | Complementary gasket set decarbonizing |
| 275 531-2 (now 276 122-9) | 16   | Conversion gasket set engine overhaul  |
| 275 533-8                 | 14   | Complementary gasket set decarbonizing |
| 275 534-6 (now 270 782-6) | 16   | Conversion gasket set engine overhaul  |
| 275 548-6                 | 13   | Cylinder head gasket set               |
| 275 551-0                 | 12   | Cylinder head gasket set               |
| 275 554-4                 | 15   | Complementary gasket set decarbonizing |
| 275 555-1 (now 276 124-5) | 16   | Conversion gasket set engine overhaul  |
| 275 566-8 (now 275 740-9) | 12   | Cylinder head gasket set               |
| 275 567-6 (now 271 162-0) | 18   | Cylinder liner sealing ring kit        |
| 275 570 (now 276 155-9)   | 55   | Oil pump repair kit                    |
| 275 590-8 (now 270 769-3) | 23   | Manifold gasket set                    |
| 275 591-6 (now 270 768-5) | 23   | Manifold gasket set                    |
| 275 715-1                 | 62   | Repair kit (engine)                    |
| 275 716-9 (now 270 777-6) | 15   | Conversion gasket set engine overhaul  |
| 275 717-7 (now 270 762-8) | 13   | Complementary gasket set decarbonizing |
| 275 718-5 (now 270 778-4) | 15   | Conversion gasket set engine overhaul  |
| 275 730-0 (now 271 156-2) | 19   | Cylinder liner sealing ring kit        |
| 275 731                   | 55   | Oil pump repair kit                    |
| 275 734-2 (now 271 158-8) | 18   | Cylinder liner sealing ring kit        |
| 275 737-5 (now 271 160-4) | 18   | Cylinder liner sealing ring kit        |
| 275 740-9 (275 566-8)     | 12   | Cylinder head gasket set               |
| 275 741-7                 | 15   | Complementary gasket set decarbonizing |
| 275 751-6                 | 17   | Cylinder liner sealing ring kit        |
| 275 754-0 (now 276 035-3) | 14   | Complementary gasket set decarbonizing |
| 275 772-2 (now 271 161-2) | 18   | Cylinder liner sealing ring kit        |
| 275 774-8 (now 276 821-6) | 12   | Cylinder head gasket set               |
| 275 776-3                 | 14   | Complementary gasket set decarbonizing |
| 275 778-9 (now 271 159-6) | 18   | Cylinder liner sealing ring kit        |
| 275 779-7 (now 276 816-6) | 12   | Cylinder head gasket set               |
| 275 780-5 (now 270 765-1) | 23   | Manifold gasket set                    |
| 275 781-3                 | 14   | Complementary gasket set decarbonizing |
| 275 784-7 (now 270 775-0) | 16   | Conversion gasket set engine overhaul  |
| 275 785-4                 | 16   | Conversion gasket set engine overhaul  |
| 276 034-6 (275 530-4)     | 14   | Complementary gasket set decarbonizing |
| 276 035-3 (275 754-0)     | 14   | Complementary gasket set decarbonizing |
| 276 052-8                 | 23   | Manifold gasket set                    |
| 276 052-8                 | 24   | Manifold gasket set                    |
| 276 096-5                 | 84   | Repair kit adjusting pin Z-cam         |
| 276 097-3                 | 83   | Repair kit reverse lock Z-cam          |
| 276 098-1                 | 83   | Repair kit reverse lock Z-cam          |
| 276 108-8                 | 77   | Repair kit gearbox inhibitor valve     |

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| 276 110-4                     | 96   | Gasket kit bogie lift cylinder                   |
| 276 122-9 (275 531-2)         | 16   | Conversion gasket set engine overhaul            |
| 276 123-7 (270 776-8)         | 16   | Conversion gasket set engine overhaul            |
| 276 124-5 (275 555-1)         | 17   | Conversion gasket set engine overhaul            |
| 276 125-2 (271 130-7)         | 17   | Conversion gasket set engine overhaul            |
| 276 130-2 (273 821-9)         | 54   | Injector sleeve kit                              |
| 276 140-1                     | 93   | Gasket kit steering gear                         |
| 276 146-8                     | 77   | Repair kit gearbox control cylinder              |
| 276 155-9 (275 570)           | 55   | Oil pump repair kit                              |
| 276 156                       | 56   | Oil pump repair kit                              |
| 276 335-7 (271 195-0)         | 77   | Repair kit gearbox inhibitor valve               |
| 276 543                       | 62   | Repair kit (engine)                              |
| 276 546-9                     | 76   | Repair kit clutch master cylinder                |
| 276 813-3 (now 3 094 518-2)   | 78   | Repair kit for cover to split and range cylinder |
| 276 815-6 (270 757-8)         | 24   | Turbo connection gasket set                      |
| 276 815-6 (270 758-6)         | 24   | Turbo connection gasket set                      |
| 276 816-6                     | 12   | Cylinder head gasket set                         |
| 276 821-6                     | 12   | Cylinder head gasket set                         |
| 3 028 447-5                   | 100  | Rubber bushing                                   |
| 3 028 448-3                   | 100  | Rubber bushing                                   |
| 3 028 449-1                   | 100  | Rubber bushing                                   |
| 3 090 266-2                   | 87   | King pin kit                                     |
| 3 090 267-0                   | 87   | King pin kit                                     |
| 3 090 288                     | 63   | Repair kit (engine)                              |
| 3 090 331-4                   | 91   | Sealing kit outer, rear wheel hub                |
| 3 090 377                     | 63   | Repair kit (engine)                              |
| 3 090 379                     | 63   | Repair kit (engine)                              |
| 3 090 388                     | 63   | Repair kit (engine)                              |
| 3 090 471-8 (270 698-4)       | 85   | Repair kit air brake compressor                  |
| 3 090 954-3 (1696448-8)       | 83   | Dust cover Z-cam                                 |
| 3 090 964-2                   | 84   | Repair kit adjusting pin Z-cam                   |
| 3 093 503                     | 13   | Cylinder head gasket set                         |
| 3 094 155                     | 63   | Repair kit (engine)                              |
| 3 094 156                     | 63   | Repair kit (engine)                              |
| 3 094 518-2 (271 197-6)       | 78   | Repair kit for cover to split and range cylinder |
| 3 094 518-2 (271 198-4)       | 78   | Repair kit for cover to split and range cylinder |
| 3 094 518-2 (276 813-3)       | 78   | Repair kit for cover to split and range cylinder |
| 3 097 092-5                   | 83   | Return spring Z-cam                              |
| 3 097 099-0                   | 84   | Repair kit brake adjusting Z-cam                 |
| 3 097 100-6 (now 8 550 977-6) | 84   | Repair kit brake adjusting Z-cam                 |
| 3 097 147                     | 63   | Repair kit (engine)                              |
| 3 099 100                     | 13   | Cylinder head gasket set                         |
| 3 123 521-1                   | 43   | Oil seal                                         |
| 3 514 943                     | 44   | Oil seal                                         |
| 325 197                       | 81   | Diaphragm brake cylinder                         |
| 328 752                       | 64   | Repair kit (engine)                              |
| 338 425                       | 89   | Oil seal                                         |
| 341 050-3                     | 90   | Oil seal steering gear                           |
| 341 488-5                     | 69   | Gasket                                           |
| 346 499-7                     | 82   | Tension spring brake shoe S-cam                  |
| 346 822-0                     | 44   | Oil seal                                         |
| 353 314                       | 81   | Diaphragm brake cylinder                         |
| 363 908-5                     | 95   | Bolt bogie roller                                |
| 382 010-7                     | 69   | Gasket                                           |
| 382 055                       | 69   | Gasket                                           |
| 382 361-4                     | 79   | Gasket for oil filter                            |
| 414 621-3                     | 52   | Strainer oil pump                                |
| 415 424-1                     | 47   | Sealing ring/Valve stem seal                     |
| 416 033-9                     | 44   | Thermostat seal                                  |
| 418 360-4                     | 66   | Washers                                          |
| 418 411-5                     | 66   | Washers                                          |
| 418 412-3                     | 66   | Washers                                          |
| 420 066-3                     | 32   | Valve cover gasket                               |
| 420 160                       | 69   | Gasket                                           |

| OEM number                | page | description                            |
|---------------------------|------|----------------------------------------|
| 420 538-1                 | 37   | Gasket exhaust manifold                |
| 420 618-1                 | 69   | Gasket                                 |
| 420 641-3                 | 69   | Gasket                                 |
| 420 642-1                 | 69   | Gasket                                 |
| 420 708-0                 | 37   | Gasket exhaust manifold                |
| 420 941-7                 | 35   | Oil pan gasket                         |
| 421 011-8                 | 50   | Valve seat ring                        |
| 421 012-6                 | 49   | Valve seat ring                        |
| 421 025-8                 | 35   | Oil pan gasket                         |
| 421 066-2                 | 33   | Valve cover gasket                     |
| 421 067-0                 | 48   | Valve lifter                           |
| 421 121-5                 | 34   | Gasket inspection cover cylinder block |
| 421 131-4                 | 39   | Felt ring crankshaft front sealing     |
| 421 147-0                 | 40   | Felt ring crankshaft rear sealing      |
| 421 158-7                 | 66   | Washers                                |
| 421 226                   | 19   | Cylinder liner sealing ring kit        |
| 421 226                   | 21   | Liner rings                            |
| 421 297-3                 | 48   | Valve guide                            |
| 421 297-3                 | 48   | Valve guide                            |
| 421 534-9                 | 37   | Gasket exhaust manifold                |
| 422 011-7                 | 49   | Valve seat ring                        |
| 422 012-5                 | 49   | Valve seat ring                        |
| 422 025-7 (now 424 604-7) | 35   | Oil pan gasket                         |
| 422 145-3                 | 40   | Felt ring crankshaft rear sealing      |
| 422 146-1                 | 40   | Felt ring crankshaft front sealing     |
| 422 219-6                 | 19   | Cylinder liner sealing ring kit        |
| 422 219-6                 | 21   | Liner rings                            |
| 422 320-2                 | 48   | Valve guide                            |
| 422 619-7                 | 64   | Cylinder liner adjusting shim          |
| 422 620-5                 | 64   | Cylinder liner adjusting shim          |
| 422 621-3                 | 64   | Cylinder liner adjusting shim          |
| 422 713-0                 | 20   | Cylinder liner sealing ring kit        |
| 422 713-0                 | 21   | Liner rings                            |
| 422 779-9                 | 70   | Gasket                                 |
| 423 011-6                 | 49   | Valve seat ring                        |
| 423 139-5 (now 479 260-2) | 32   | Water seal cylinder                    |
| 423 145-2                 | 33   | Valve cover gasket                     |
| 423 146-0                 | 33   | Valve cover gasket                     |
| 423 174-2                 | 38   | Gasket intake manifold                 |
| 423 281-5                 | 66   | Washers                                |
| 424 276-4                 | 35   | Oil pan gasket                         |
| 424 580-9                 | 55   | Oil seal injection pump driving unit   |
| 424 594                   | 19   | Cylinder liner sealing ring kit        |
| 424 594                   | 21   | Liner rings                            |
| 424 595-7                 | 20   | Cylinder liner sealing ring kit        |
| 424 595-7                 | 21   | Liner rings                            |
| 424 600-5                 | 34   | Oil pan gasket                         |
| 424 601-3                 | 34   | Oil pan gasket                         |
| 424 602-1                 | 34   | Oil pan gasket                         |
| 424 602-1                 | 35   | Oil pan gasket                         |
| 424 603-9                 | 34   | Oil pan gasket                         |
| 424 604-7 (422 025-7)     | 35   | Oil pan gasket                         |
| 424 605-4                 | 35   | Oil pan gasket                         |
| 424 607-0                 | 35   | Oil pan gasket                         |
| 424 610-4                 | 38   | Gasket intake manifold                 |
| 424 611-2                 | 38   | Gasket intake manifold                 |
| 424 612-0                 | 38   | Gasket intake manifold                 |
| 424 618-7                 | 70   | Gasket                                 |
| 424 621-1                 | 17   | Gasket flywheel housing                |
| 424 634-4                 | 37   | Gasket exhaust manifold                |
| 424 692-2 (468 352-0)     | 33   | Valve cover gasket                     |
| 424 692-2 (468 963-4)     | 33   | Valve cover gasket                     |
| 424 693-0                 | 33   | Valve cover gasket                     |
| 424 694-8                 | 33   | Valve cover gasket                     |

| OEM number                | page | description                        |
|---------------------------|------|------------------------------------|
| 424 763-1                 | 42   | Oil seal crankshaft front sealing  |
| 424 830-8                 | 20   | Cylinder liner sealing ring kit    |
| 424 830-8                 | 21   | Liner rings                        |
| 424 831-6                 | 20   | Cylinder liner sealing ring kit    |
| 424 831-6                 | 22   | Liner rings                        |
| 424 832-4                 | 20   | Cylinder liner sealing ring kit    |
| 424 832-4                 | 22   | Liner rings                        |
| 424 833-2                 | 20   | Cylinder liner sealing ring kit    |
| 424 833-2                 | 22   | Liner rings                        |
| 424 918-1                 | 34   | Oil pan gasket                     |
| 424 919-1                 | 35   | Oil pan gasket                     |
| 424 983-5 (469 507-8)     | 42   | Oil seal crankshaft front sealing  |
| 424 983-5 FPM A/BS RD W   | 42   | Oil seal crankshaft front sealing  |
| 424 983-5 MVQ AS W RD     | 42   | Oil seal crankshaft front sealing  |
| 465 394-5                 | 64   | Cylinder liner adjusting shim      |
| 465 395-2                 | 64   | Cylinder liner adjusting shim      |
| 465 396-0                 | 64   | Cylinder liner adjusting shim      |
| 465 547-8                 | 52   | Injector sleeve                    |
| 465 551-7                 | 70   | Gasket                             |
| 465 906-6                 | 20   | Cylinder liner sealing ring kit    |
| 465 906-6                 | 22   | Liner rings                        |
| 465 952-0                 | 32   | Valve cover gasket                 |
| 466 114-6                 | 64   | Cylinder liner adjusting shim      |
| 466 183-1                 | 64   | Cylinder liner adjusting shim      |
| 466 184-9                 | 64   | Cylinder liner adjusting shim      |
| 466 284-7                 | 52   | Injector sleeve                    |
| 466 386-0                 | 48   | Valve guide                        |
| 466 403-3                 | 53   | Injector sleeve                    |
| 466 404-1                 | 53   | Injector sleeve                    |
| 466 405-8                 | 55   | Injector seal                      |
| 466 420-7                 | 64   | Steel ring injector sleeve         |
| 466 739-0                 | 46   | Sealing ring/Valve stem seal       |
| 466 740-8                 | 46   | Sealing ring/Valve stem seal       |
| 466 878-6                 | 64   | Cylinder liner adjusting shim      |
| 466 922-2                 | 65   | O-ring injector sleeve             |
| 467 177-2                 | 39   | Gasket timing gear casing cover    |
| 467 365-3                 | 52   | Plug cylinder head                 |
| 467 367-9                 | 52   | Plug cylinder head, cylinder block |
| 467 417-2                 | 53   | Injector sleeve                    |
| 467 475-0                 | 49   | Valve seat ring                    |
| 467 502                   | 50   | Valve                              |
| 467 502-1                 | 50   | Valve                              |
| 467 855                   | 50   | Valve                              |
| 467 855-3                 | 51   | Valve                              |
| 468 116-9                 | 39   | Gasket timing gear casing cover    |
| 468 210-0                 | 54   | Injector seal                      |
| 468 263-9                 | 53   | Injector sleeve                    |
| 468 271-2                 | 64   | Cylinder liner adjusting shim      |
| 468 272-0                 | 64   | Cylinder liner adjusting shim      |
| 468 273-8                 | 64   | Cylinder liner adjusting shim      |
| 468 302                   | 50   | Valve                              |
| 468 302-5                 | 51   | Valve                              |
| 468 303                   | 50   | Valve                              |
| 468 303-3                 | 51   | Valve                              |
| 468 352-0 (now 424 692-2) | 33   | Valve cover gasket                 |
| 468 448-6                 | 49   | Valve seat ring                    |
| 468 557-4                 | 17   | Gasket flywheel housing            |
| 468 582-1                 | 71   | Gasket                             |
| 468 784-4                 | 53   | Injector sleeve                    |
| 468 963-4 (now 424 692-2) | 33   | Valve cover gasket                 |
| 469 205-9                 | 54   | Injector seal                      |
| 469 240-6                 | 50   | Valve                              |
| 469 259-6                 | 39   | Gasket timing gear casing cover    |
| 469 327-1                 | 32   | Gasket for plugs to cylinder block |

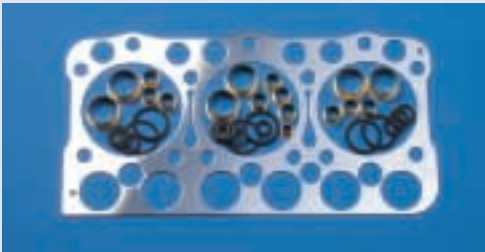
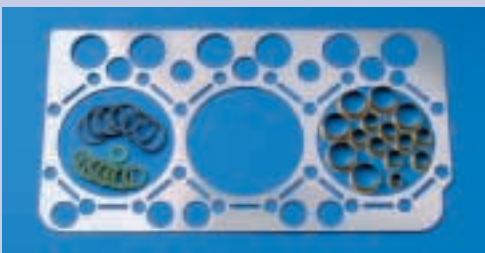
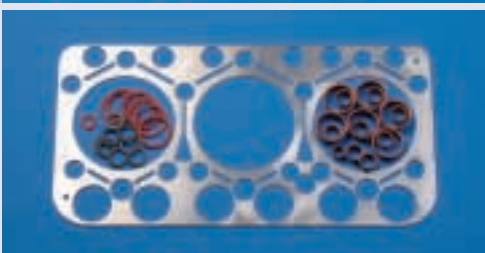
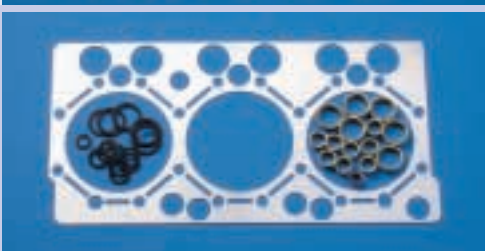
| OEM number                | page | description                            |
|---------------------------|------|----------------------------------------|
| 469 327-1                 | 52   | Plug gasket                            |
| 469 328-9                 | 32   | Gasket for plugs to cylinder block     |
| 469 328-9                 | 52   | Plug gasket                            |
| 469 336-2                 | 42   | Oil seal crankshaft rear sealing       |
| 469 336-2                 | 44   | Oil seal                               |
| 469 445                   | 20   | Cylinder liner sealing ring kit        |
| 469 445                   | 22   | Liner rings                            |
| 469 455-0                 | 55   | Injector seal                          |
| 469 456-8                 | 47   | Sealing ring/Valve stem seal           |
| 469 477-4                 | 66   | Washers                                |
| 469 479-0                 | 66   | Washers                                |
| 469 481-6                 | 66   | Washers                                |
| 469 482-4                 | 67   | Washers                                |
| 469 483-2                 | 17   | Rubber seal oil filter housing         |
| 469 484-0                 | 36   | Rubber gasket oil filter housing       |
| 469 486-5                 | 36   | Rubber gasket oil filter housing       |
| 469 487-3                 | 36   | Rubber gasket oil filter housing       |
| 469 507-8 (now 424 983-5) | 42   | Oil seal crankshaft front sealing      |
| 469 508-6                 | 47   | Sealing ring/Valve stem seal           |
| 469 509-4                 | 47   | Sealing ring/Valve stem seal           |
| 469 606-8                 | 67   | Washers                                |
| 469 661-3                 | 38   | Gasket intake manifold                 |
| 469 662-1                 | 38   | Gasket intake manifold                 |
| 469 668-8                 | 47   | Sealing ring/Valve stem seal           |
| 469 823-9                 | 34   | Gasket inspection cover cylinder block |
| 469 829-6                 | 38   | Gasket intake manifold                 |
| 469 846-0                 | 67   | Washers                                |
| 469 908-8                 | 45   | Sealing ring                           |
| 469 952-6                 | 67   | Washers                                |
| 470 247-8                 | 53   | Injector sleeve                        |
| 470 383-1                 | 67   | Washers                                |
| 470 534-9                 | 37   | Gasket exhaust manifold                |
| 470 939-0                 | 70   | Gasket                                 |
| 470 993-7                 | 70   | Gasket                                 |
| 471 055-4 (now 477 118-4) | 42   | Oil seal crankshaft front sealing      |
| 471 056-2 (now 477 119-2) | 42   | Oil seal crankshaft rear sealing       |
| 471 419-2                 | 19   | Cylinder liner sealing ring kit        |
| 471 419-2                 | 21   | Liner rings                            |
| 471 424-2                 | 21   | Cylinder liner sealing ring kit        |
| 471 424-2                 | 22   | Liner rings                            |
| 471 465-5                 | 36   | Rubber gasket oil cooler               |
| 471 467-1                 | 39   | Rubber seal oil cooler                 |
| 471 520-7                 | 33   | Valve cover gasket                     |
| 471 626-2                 | 67   | Washers                                |
| 471 637-9                 | 39   | Rubber seal oil cooler pipe            |
| 471 650-2                 | 37   | Gasket exhaust manifold                |
| 471 788-0                 | 45   | Thermostat seal                        |
| 471 856-5                 | 67   | Washers                                |
| 471 956-3                 | 32   | Rubber seal                            |
| 471 449-9                 | 45   | Sealing ring                           |
| 477 059-0                 | 47   | Sealing ring/Valve stem seal           |
| 477 118-4 (471 055-4)     | 42   | Oil seal crankshaft front sealing      |
| 477 118-4 FPM A/BS RD     | 42   | Oil seal crankshaft front sealing      |
| 477 118-4 MVQ ARD         | 42   | Oil seal crankshaft front sealing      |
| 477 119-2 (471 056-2)     | 42   | Oil seal crankshaft rear sealing       |
| 477 119-2 FPM A/BS LD     | 42   | Oil seal crankshaft rear sealing       |
| 477 119-2 MVQ ALD         | 42   | Oil seal crankshaft rear sealing       |
| 478 074-8                 | 70   | Gasket                                 |
| 478 505-1                 | 35   | Oil pan gasket                         |
| 479 031-7                 | 48   | Valve lifter                           |
| 479 107-5                 | 37   | Gasket exhaust manifold                |
| 479 163-8                 | 53   | Injector sleeve                        |
| 479 204                   | 50   | Valve                                  |
| 479 204                   | 50   | Valve                                  |

| OEM number                      | page | description                                    |
|---------------------------------|------|------------------------------------------------|
| 479 260-2 (423 139-5)           | 32   | Water seal cylinder                            |
| 479 264-4                       | 35   | Oil pan gasket                                 |
| 479 484-8                       | 35   | Oil pan gasket                                 |
| 479 486-3                       | 36   | Oil pan gasket                                 |
| 6 645 225-1                     | 85   | Repair kit air brake compressor                |
| 6 771 541-7                     | 44   | Oil seal                                       |
| 6 850 149-3                     | 72   | Rubber cushion exhaust system                  |
| 6 876 126-1                     | 75   | Oil seal                                       |
| 6 876 127-9                     | 75   | Oil seal                                       |
| 6 876 142-8                     | 44   | Oil seal                                       |
| 8 148 574                       | 51   | Valve                                          |
| 8 149 182-1                     | 55   | Thermostat                                     |
| 8 550 977-6                     | 84   | Repair kit brake adjusting Z-cam               |
| 821 755-6                       | 44   | Oil seal                                       |
| 846 937                         | 46   | Sealing ring/Valve stem seal                   |
| 925 053-1                       | 47   | Sealing ring/Valve stem seal                   |
| 925 059-8                       | 47   | Sealing ring/Valve stem seal                   |
| 925 063-0                       | 47   | Sealing ring/Valve stem seal                   |
| 925 068-9                       | 79   | Seal ring                                      |
| 925 069-7                       | 46   | Sealing ring/Valve stem seal                   |
| 925 091-1                       | 47   | Sealing ring/Valve stem seal                   |
| 925 092-9                       | 46   | Sealing ring/Valve stem seal                   |
| 925 094-5                       | 47   | Sealing ring/Valve stem seal                   |
| 925 095-2                       | 46   | Sealing ring/Valve stem seal                   |
| 925 257-8                       | 47   | Sealing ring/Valve stem seal                   |
| 925 258-6                       | 47   | Sealing ring/Valve stem seal                   |
| 925 259-4                       | 46   | Sealing ring/Valve stem seal                   |
| 925 261-0                       | 94   | O-ring for hub cap                             |
| 925 266                         | 46   | Sealing ring/Valve stem seal                   |
| 940 096-1                       | 36   | Rubber seal oil filter cap                     |
| 941 666-0                       | 40   | Felt ring crankshaft front sealing             |
| 941 705-6                       | 82   | O-Ring anchor pin                              |
| 941 916-9                       | 98   | Spring washer                                  |
| 942 083-7                       | 40   | Felt ring crankshaft front sealing             |
| 942 089-4                       | 46   | Sealing ring/Valve stem seal                   |
| 942 580-2                       | 66   | Washers                                        |
| 943 177-6                       | 41   | O-Ring oil cooler                              |
| 943 250-1                       | 89   | Oil seal                                       |
| 943 704-7 (now 267 269-9)       | 74   | Oil seal gearbox input shaft                   |
| 943 741-9                       | 75   | Oil seal                                       |
| 944 665-9                       | 89   | Oil seal                                       |
| 944 666-7 (now 1 610 765-8 FPM) | 91   | Oil seal inner, rear wheel hub                 |
| 944 667-5                       | 91   | Oil seal front wheel hub                       |
| 944 670-9                       | 92   | Wear ring rear axle hub, trailing wheel hub    |
| 944 671-7                       | 89   | Oil seal                                       |
| 944 988-5                       | 40   | O-Ring oil cooler                              |
| 945 538-7                       | 96   | Oil seal balance arm bogie suspension          |
| 946 026-2                       | 90   | Oil seal                                       |
| 946 093-2                       | 44   | Oil seal                                       |
| 946 733                         | 46   | Sealing ring/Valve stem seal                   |
| 947 270-5                       | 90   | Oil seal                                       |
| 947 620-1                       | 66   | Washers                                        |
| 947 622                         | 66   | Washers                                        |
| 947 705                         | 75   | Oil seal                                       |
| 948 254                         | 46   | Sealing ring/Valve stem seal                   |
| 948 448-6                       | 90   | Oil seal companion flange differential carrier |
| 948 610-1                       | 47   | Sealing ring/Valve stem seal                   |
| 948 642-8                       | 90   | Oil seal                                       |
| 948 767-9                       | 93   | O-ring rear axle hub                           |
| 948 826-3                       | 44   | Oil seal                                       |
| 948 983-2                       | 47   | Sealing ring/Valve stem seal                   |
| 949 573                         | 44   | Oil seal                                       |
| 949 656-3                       | 41   | O-Ring oil cooler                              |
| 949 657-1                       | 47   | Sealing ring/Valve stem seal                   |

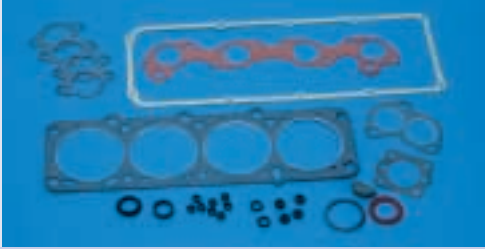
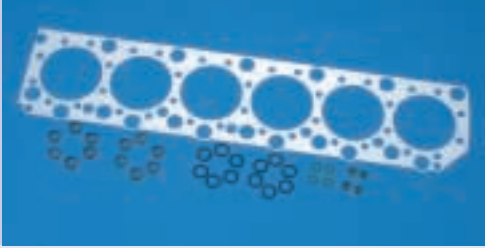
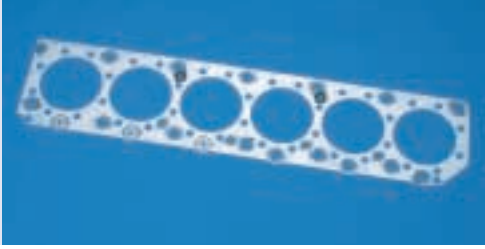
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# Engine gaskets and gasket sets

## Cylinder head gasket set

| dph-no. | OEM-no.   |                                                                                     | application                                                                                                                                                                                                    |
|---------|-----------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36653   | 275 740-9 |    | D50A, D50B, TD50A, TD50B, D60A, TD60A, TD60B, TD60C<br><br><b>Head gasket marked DPH</b>                                                                                                                       |
| 81615   | 276 821-6 |    | TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA, TD61GB, TD61GC, TD61GE, TD61GS, TD63E, TD63ES, D6A                                                                                                             |
| 36279   | 275 525-4 |   | D70A, D70B, TD70A, TD70B, TD70C, TD70D, TD70E, TD70F, TD70FC, TD70FS, TD70G, TD70H, TD70HA                                                                                                                     |
| 81844   | 276 816-6 |  | TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD, TD71FQ, TD71FS, TD71FSQ, TD71G, TD73E, TD73ES, D7A, D7B<br><br><b>Head gasket marked DPH</b>                                                                  |
| 36030   | 275 551-0 |  | D100A#, TD100A#, D100B, TD100C, HD100A*, TD100C, HD100D**, THD100D**, THD100DA, THD100DB, THD100DC, THD100DD, THD100A*<br># from engine 18536-<br>* from engine 2499-<br><br><b>Head gasket marked DPH</b>     |
| 36501   | 270 789-1 |  | TD100BG, TD100G, TD100GA, THD100EC, THD100ED, THD100EE, THD100EK, TD101, THD101, TD102, THD102, TD103, TD103, THD103, THD104KB, THD104KF, THD100EA, THD100EB, D10A, DH10A<br><br><b>Head gasket marked DPH</b> |

## Cylinder head gasket set

| dph-no. | OEM-no.   |                                                                                     | application                                                                                                                                               |
|---------|-----------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 51347   | 275 548-6 |    | TD120, TD121F, TD121FA, TD121FB, TD121FC, TD121FD, TD121FE, TD121FK, TD121G*, TD121GD*, TD12FF<br>* up to engine -131995<br><b>Head gasket marked DPH</b> |
| 36281   | 270 949-1 |    | TD121G*, TD121GD*, TD122, TD123E, TD123ES<br>* from engine 131996-<br><b>Head gasket marked DPH</b>                                                       |
| 95739   | 270 688   |    |                                                                                                                                                           |
| 98542   | 3 093 503 |   | Cylinder head gasket FH 12<br>Old version                                                                                                                 |
| 110207  | 3 099 100 |  | Cylinder head gasket FH 12<br>New version                                                                                                                 |

## Complementary gasket set decarbonizing

| dph-no. | OEM-no.   |                                                                                     | application  |
|---------|-----------|-------------------------------------------------------------------------------------|--------------|
| 36520   | 270 762-8 |  | TD60B, TD60C |

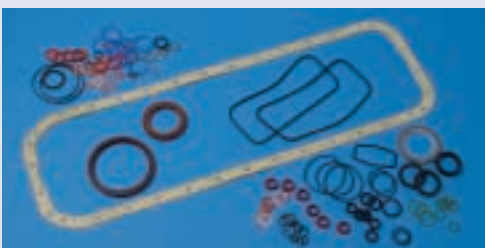
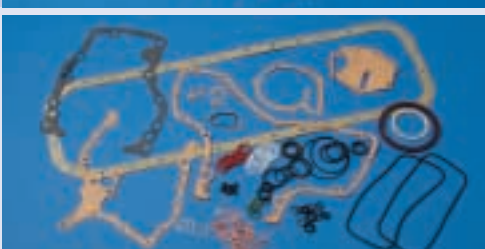
## Complementary gasket set decarbonizing

| dph-no.      | OEM-no.   | application                                                                                               |
|--------------|-----------|-----------------------------------------------------------------------------------------------------------|
| <b>36277</b> | 275 776-3 | TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA, TD61GB, TD61GC, TD61GE, TD61GS, TD63E, TD63ES             |
| <b>36522</b> | 270 761-0 | D70A, D70B, TD70B, TD70C, TD70D, TD70E, TD70F, TD70FS, TD70G, TD70H, TD70HA, TD70A, TD70FC                |
| <b>36278</b> | 275 781-3 | TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD, TD71FQ, TD71FS, TD71FSQ, TD71G                           |
| <b>36523</b> | 276 034-6 | D100A, D100B, TD100A, TD100B, TD100BG, TD100C*<br>* up to engine -145715                                  |
| <b>36511</b> | 276 035-3 | TD100C*, TD100G, TD100GA, TD101, TD102, TD103, D10A<br><br>*from engine 145716-                           |
| <b>36518</b> | 270 770-1 | D50A, D50B, TD50B, D60A, TD60A                                                                            |
| <b>36525</b> | 275 533-8 | HD100A, HD100D, THD100A, THD100D*, THD100DA*, THD100B*, THD100DC*, THD100DD*<br><br>* up to engine -23198 |

## Complementary gasket set decarbonizing

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                              |
|---------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36542   | 275 741-7 |  <p>THD100D*, THD100DA*, THD100DB*, THD100DC*, THD100DD*, THD100EA, THD100EB, THD100EC, THD100ED, THD100EE, THD100EK, THD101, THD102, THD103, THD104KB, THD104KF, DH10A</p> <p>* from engine 23199-</p> |
| 36099   | 275 554-4 |  <p>TD120, TD121, TD122, TD123</p>                                                                                                                                                                      |

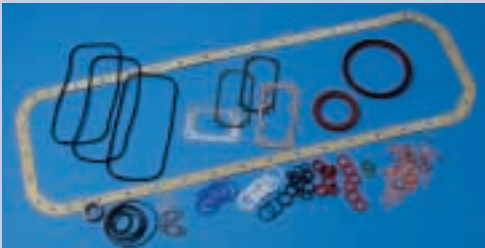
## Conversion gasket set engine overhaul

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                    |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36543   | 270 779-2 |  <p>D50A, D50B, TD50A, TD50B, D60A, TD60A</p>                                                                                                |
| 36545   | 270 778-4 |  <p>TD60B, TD60C</p>                                                                                                                        |
| 36547   | 270 774-3 |  <p>TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA, TD61GB, TD61GC, TD61GE, TD61GS</p> <p>Not for engines with plastic laminate oil pan</p> |
| 36505   | 270 957-4 |  <p>D70A, D70B, TD70A, TD70B, TD70C, TD70D, TD70E, TD70H*, TD70HA*,</p> <p>* for buses B57, BB57</p>                                        |
| 36549   | 270 777-6 |  <p>TD70F, TD70FC, TD70FS, TD70G; TD70H*, TD70HA*</p> <p>* excl. buses B57, BB57</p>                                                        |

## Conversion gasket set engine overhaul

| dph-no.                      | OEM-no.             | application                                                                                                                                                                                                                                                                                                 |
|------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>36291</b>                 | 270 775-0           |  <p>TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD, TD71FS, TD71G</p> <p>Not for engines with plastic laminate oil pan</p>                                                                                                |
| <b>93372</b><br><b>37487</b> | 276 122-9<br>CS-200 |  <p>D100A, D100B, TD100A, TD100B, TD100BG, TD100C</p>                                                                                                                                                                      |
| <b>93372</b><br><b>37488</b> | 276 122-9<br>CS-201 |  <p>TD100G, TD100GA, TD101F*, TD101FA*, TD100G*, TD101GA, TD101GB</p> <p>* NOT for FL10</p>                                                                                                                                |
| <b>36552</b>                 | 276 123-7           |  <p>TD101F*, TD101FA*, TD101FC*, TD101FD*, TD101G*, TD102F, TD102FD, TD102FDQ, TD102FF, TD102FH, TD102FQ, TD102FS</p> <p>Not for engines with plastic laminate oil pan</p> <p>* for FL10</p>                              |
| <b>36504</b>                 | 270 782-6           |  <p>HD100A, HD100D, THD100A, THD100D, THD100DA, THD100DB, THD100DC, THD100DD, THD100EA, THD100EB, THD100EC, THD100ED, THD100EE, THD100EK</p>                                                                             |
| <b>36555</b>                 | 275 785-4           |  <p>THD101GB, THD101GC, THD101GD, THD101GK, THD101KB, THD101KC, THD101KD, THD101KE, THD101KF, THD101KA, THD102KA, THD102KB, THD102KD, THD102KF*, THD103KB, THD103KD, THD103KF, THD104KB, THD104KF</p> <p>* excl.B10R</p> |
| <b>81436</b><br><b>37489</b> | 276 124-5<br>CS-202 |  <p>TD 120 up to engine -55607</p>                                                                                                                                                                                       |

## Conversion gasket set engine overhaul

| dph-no.        | OEM-no.             | application                                                                                                                                                                                                                                  |
|----------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 81436<br>37584 | 276 124-5<br>CS-203 |  <p>TD120 from engine 55608-<br/>TD121F, TD121FA, TD121FB, TD121FC, TD121FD, TD121FE,<br/>TD121FF, TD121FK, TD121G*, TD121GD*<br/>*up to engine -131995</p> |
| 84456          | 276 125-2<br>CS-130 |  <p>TD121G*, TD121GD*, TD122<br/><br/>*from engine no. 131996-<br/>Not for engines with plastic laminate oil pan</p>                                        |

## Rubber seal oil filter housing

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                          |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 61480   | 469 483-2 |  <p>TD40A, TD41G, D50, TD50, D60, TD60, TD61, TD63,<br/>D100, TD100, TD101, TD102, TD103, TD120, TD121,<br/>TD122, TD123<br/><br/>For oil cooler pipe to:<br/>HD100, THD100, THD101, THD10, THD103, THD104,<br/>DH10A<br/>Size: 22x28x3 FPM 70</p> |

## Gasket flywheel housing

| dph-no. | OEM-no.   | application                                                                                                                                            |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37589   | 424 621-1 |  <p>D100, TD100, HD100, THD100, TD101, THD101, TD120,<br/>TD121</p> |
| 36038   | 468 557-4 |  <p>D100, HD100, TD100, THD100, TD101, THD101, TD120,<br/>TD121</p> |

## Cylinder liner sealing ring kit

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                        |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 51555   | 275 751-6 |  <p>TD40A, TD41G<br/><br/>Contents:<br/>2 pcs 96,00 x 3,00 FPM 75 purple<br/>1 pc 99,50 x 3,00 FPM 70 black<br/>1 pc 102,00 x 1,60 FPM 75 black<br/>1 pc installation paste</p> |

## Cylinder liner sealing ring kit

| dph-no.      | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>36097</b> | 275 460-4 | <p>D50A, D50B, TD50A, TD50B</p> <p>Contents:</p> <p>2 pcs 106,50 x 5,70 EPDM 70</p> <p>1 pc 103,50 x 1,60 FPM 75 green</p> <p>1 pc installation paste</p>                                                                                                                                                                                                                                                                    |
| <b>36096</b> | 271 162-0 | <p>D60A,TD60A,TD60B,TD60C</p> <p>Contents:</p> <p>1 pc 108,50 x 5,80 FPM 75 black</p> <p>1 pc 108,50 x 5,80 FPM 75 purple</p> <p>1 pc 105,50 x 1,60 FPM 75 black</p> <p>1 pc installation paste</p>                                                                                                                                                                                                                          |
| <b>36095</b> | 271 161-2 | <p>TD61F, FB, FBQ, FHQ, G, GA, GB, GC, GE, GS</p> <p>TD63E, TD63ES</p> <p>Contents:</p> <p>2 pcs 108,50 x 5,80 FPM 75 black</p> <p>1 pc 108,50 x 5,80 FPM 75 purple</p> <p>1 pc 105,50 x 1,60 FPM 75 black</p> <p>1 pc installation paste</p>                                                                                                                                                                                |
| <b>36094</b> | 271 160-4 | <p>D70A, D70B, TD70A, TD70B, TD70C, TD70D, TD70E, TD70F, TD70FC, TD70FS, TD70G, TD70H, TD70HA</p> <p>Contents:</p> <p>1 pc 115,80 x 5,80 FPM 75 black</p> <p>1 pc 115,80 x 5,80 FPM 75 purple</p> <p>1 pc 114,00 x 1,60 FPM 75 black</p> <p>1 pc installation paste</p>                                                                                                                                                      |
| <b>36093</b> | 271 159-6 | <p>TD71F, TD71FA, TD71FAQ, TD71FC, TD71FD, TD71FQ, TD71FS, TD71FSQ, TD71G, TD73E, TD73ES</p> <p>Contents:</p> <p>2 pcs 115,80 x 5,80 FPM 75 black</p> <p>1 pc 115,80 x 5,80 FPM 75 purple</p> <p>1 pc 114,00 x 1,60 FPM 75 black</p> <p>1 pc installation paste</p>                                                                                                                                                          |
| <b>36033</b> | 271 158-8 | <p>D100A, D100B, TD100A, B, BG, C, G, GA, HD100A, HD100D, THD100A, D, DA, DB, DC, DD, EA, EB, EC, ED, EE, EK, TD101F, FA, FC, FD, G, GA, GB</p> <p>up to engine -199157</p> <p>THD101GB, GC, GD, GK, KB, KC, KD, KE, KF</p> <p>up to engine -40891</p> <p>Contents:</p> <p>1 pc 132,50 x 1,60 FPM 75 black</p> <p>1 pc 132,70 x 5,70 FPM 75 purple</p> <p>1 pc 132,70 x 5,70 FPM 75 black</p> <p>1 pc installation paste</p> |
| <b>36377</b> | 271 157-0 | <p>TD101F, FA, FC, FD, G, GA, GB</p> <p>from engine 199158- THD101GB, GC, GD, GK, KB, KC, KD, KE, KF</p> <p>from engine -40891</p> <p>ID102F, FD, FDQ, FF, FH, FL, FM, FQ, FS, KF, THD102 all, TD103E, EA, ES, THD103KB, KD, KF, THD104KB, KF</p> <p>Contents:</p> <p>1 pc 132,50 x 2,40 FPM 75 black</p> <p>1 pc 133,80 x 5,70 FPM 75 purple</p> <p>1 pc 133,80 x 5,70 FPM 75 black</p> <p>1 pc Installation paste</p>      |

## Cylinder liner sealing ring kit

| dph-no.                      | OEM-no.              |                                                                                     | application                                                                                                                                                                                                                                     |
|------------------------------|----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>35810</b>                 | 271 181-0            |    | TD120A<br>Contents:<br>1 pc 143,50 x 1,60 FPM 75 black<br>1 pc 142,80 x 5,80 FPM 75 black<br>1 pc 142,80 x 5,80 FPM 75 purple<br>1 pc Installation paste                                                                                        |
| <b>36034</b>                 | 271 156-2            |    | TD120C, D, E, F, FA, FB, FC, G, GA<br>Contents:<br>1 pc 142,80 x 5,80 FPM 75 black<br>1 pc 142,80 x 5,80 FPM 75 purple<br>1 pc 143,50 x 1,60 FPM 75 black<br>1 pc Volvo 468 582-1<br>1 pc Installation paste                                    |
| <b>35809</b>                 | 271 155-4            |    | TD121F, FA, FB, FC, FD, FE, FF<br>TD121FK, FN, G, GD<br>up to engine -131995<br>Contents:<br>2 pc 142,80 x 5,80 FPM 75 black<br>1 pc 142,80 x 5,80 FPM 75 purple<br>1 pc 143,50 x 1,60 FPM 75 black<br>1 pc Installation paste                  |
| <b>46829</b>                 | 270 950-9            |   | TD121FK, FN, G, GD<br>from engine 131996-<br>TD122F, FA, FH, FK, FL, FR, FS, TD123E, TD123ES<br>Contents:<br>2 pcs 142,80 x 5,80 FPM 75 black<br>1 pc 142,80 x 5,80 FPM 75 purple<br>1 pc 140,00 x 2,50 FPM 75 black<br>1 pc Installation paste |
| <b>46830</b>                 | 270 935-0            |  | D16A, TD162F, FL, FS, ES<br>Contents:<br>1 pc 169,00 x 2,40 FPM 75 purple<br>1 pc 155,00 x 2,50 EPDM 70<br>2 pcs 157,60 x 5,80 FPM 75 black<br>1 pc 157,60 x 5,80 FPM 75 purple<br>1 pc Installation paste                                      |
| <b>32974</b><br><b>95757</b> | 421 226<br>471 419-2 |  | Size: 114x1,6 FPM 75 green                                                                                                                                                                                                                      |
| <b>32972</b><br><b>95759</b> | 422 219-6<br>424 594 |  | Size: 132,5x1,6 FPM 75 green                                                                                                                                                                                                                    |

## Cylinder liner sealing ring kit

| dph-no.        | OEM-no.              |                                                                                     | application                   |
|----------------|----------------------|-------------------------------------------------------------------------------------|-------------------------------|
| 93250          | 422 713-0            |    | Size: 132,5x2,4 FPM 75 black  |
| 95762          | 424 595-7            |    | Size: 143,5x1,6 FPM 75 black  |
| 95754          | 424 830-8            |    | Size: 108,5x5,8 FPM purple    |
| 95756<br>32977 | 424 831-6<br>469 445 |  | Size: 115,8x5,8 FPM purple    |
| 95760          | 424 832-4            |  | Size: 132,7x5,7 FPM 75 black  |
| 94358          | 424 833-2            |  | Size: 142,8x5,8 FPM 75 purple |
| 95755          | 465 906-6            |  | Size: 108,5x5,8 FPM 75 black  |

## Cylinder liner sealing ring kit

| dph-no.      | OEM-no.     | application                   |
|--------------|-------------|-------------------------------|
| <b>95758</b> | 471 424-2   | Size: 115,8x5,8 FPM 75 black  |
| <b>95761</b> | 1 546 229-4 | Size: 132,7x5,7 FPM 75 purple |

## Liner rings

| dph-no.                      | OEM-no.              | application                    |
|------------------------------|----------------------|--------------------------------|
| <b>32974</b><br><b>95757</b> | 421 226<br>471 419-2 | Size: 114 x 1,6 FPM 75 green   |
| <b>32972</b><br><b>95759</b> | 422 219-6<br>424 594 | Size: 132,5 x 1,6 FPM 75 green |
| <b>93250</b>                 | 422 713-0            | Size: 132,5 x 2,4 FPM 75 black |
| <b>95762</b>                 | 424 595-7            | Size: 143,5 x 1,6 FPM 75 black |
| <b>95754</b>                 | 424 830-8            | Size: 108,5 x 5,8 FPM purple   |

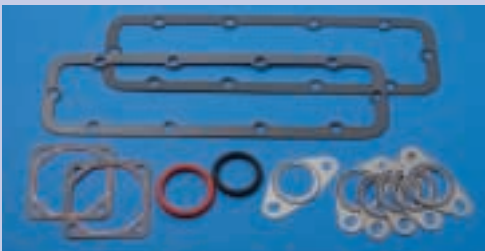
## Liner rings

| dph-no.                      | OEM-no.              |                                                                                     | application                     |
|------------------------------|----------------------|-------------------------------------------------------------------------------------|---------------------------------|
| <b>95756</b><br><b>32977</b> | 424 831-6<br>469 445 |    | Size: 115,8 x 5,8 FPM purple    |
| <b>95760</b>                 | 424 832-4            |    | Size: 132,7 x 5,7 FPM 75 black  |
| <b>94358</b>                 | 424 833-2            |    | Size: 142,8 x 5,8 FPM 75 purple |
| <b>95755</b>                 | 465 906-6            |  | Size: 108,5 x 5,8 FPM 75 black  |
| <b>95758</b>                 | 471 424-2            |  | Size: 115,8 x 5,8 FPM 75 black  |
| <b>95761</b>                 | 1 546 229-4          |  | Size: 132,7 x 5,7 FPM 75 purple |

## Manifold gasket set

| dph-no.      | OEM-no.   |                                                                                     | application                                       |
|--------------|-----------|-------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>36560</b> | 270 766-9 |  | D50A, D50B, TD50A, TD50B, TD60A*<br>*for F84, F85 |

## Manifold gasket set

| dph-no. | OEM-no.   |                                                                                     | application                                                                                                                                         |
|---------|-----------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 36563   | 270 769-3 |    | D60A *, TD60A *<br>*for B6, F6                                                                                                                      |
| 36565   | 270 768-5 |    | TD60A *, TD60B, TD60C<br>*for F65                                                                                                                   |
| 36566   | 270 764-4 |    | TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA,<br>TD61GB, TD61GC, TD61GE, TD61GS,<br>TD63E, TD63ES,<br>D6A                                         |
| 36506   | 270 771-9 |   | D70A, D70B, TD70A, TD70B, TD70C, TD70D, TD70E,<br>TD70F, TD70FC, TD70FS, TD70G, TD70H, TD70HA                                                       |
| 36297   | 270 765-1 |  | TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD,<br>TD71FQ, TD71FS, TD71FSQ, TD71G                                                                  |
| 36508   | 270 958-2 |  | D100A, D100B,<br>TD100A, TD100B, TD100BG, TD100C<br>THD100A, THD100D, THD100DA, THD100DB, THD100DC,<br>THD100DD                                     |
| 36509   | 276 052-8 |  | TD100G, TD100GA,<br>THD100EA, THD100EB, THD100EC, THD100ED, THD100EE,<br>THD100EK<br>TD101, THD101, TD102, TD103;<br>THD102, THD103, THD103, THD104 |

## Manifold gasket set

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                              |
|---------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36507   | 270 772-7 |  <p>TD120,<br/>TD121,<br/>TD122,<br/>TD123</p>                                                                                                          |
| 36509   | 276 052-8 |  <p>TD100G, TD100GA,<br/>THD100EA, THD100EB, THD100EC, THD100ED, THD100EE,<br/>THD100EK<br/>TD101, THD101, TD102, THD102, TD103, THD103,<br/>THD104</p> |

## Turbo connection gasket set

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 70116   | 270 751-1 |  <p>TD41G</p>                                                                                                                                                                                                                                                                                                                                           |
| 84305   | 276 815-6 |  <p>TD100G, TD100GA, THD100D*, THD100DA*, THD100DB*,<br/>THD100DC*, THD100DD*, THD100E all, THD101F,<br/>TD101FA, TD101FC, TD101FD, TD101G, TD101GA,<br/>TD101GB, THD101GB, THD101GC, THD101GD, THD<br/>101KB, THD101KC, THD101KD, THD101KE, THD101KF,<br/>TD102, THD102, TD103, THD103, THD104KB, THD104KF,<br/>D10A<br/>* from engine no. 23199-</p> |
| 36036   | 270 997-0 |  <p>TD100A* TD100B*, TD100BG* TD100C, TD120A**,<br/>TD120E**, TD120G**, TD120GA**<br/>* excl. F10, ** for N12</p>                                                                                                                                                                                                                                      |
| 70112   | 271 089-5 |  <p>TD162F, TD162FL, TD162FS, TD163ES</p>                                                                                                                                                                                                                                                                                                              |

## Gasket set complete engine overhaul



| dph-no.                       | OEM-no.                                                               | application                                                                    |
|-------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>37574</b><br><b>FS-500</b> | 2 x 275 740-9<br>270 770-1<br>270 779-2<br>270 766-9<br>6 x 275 460-4 | D50A, D50B, TD50A, TD50B                                                       |
| <b>37575</b><br><b>FS-600</b> | 2x 275 740-9<br>270 770-1<br>270 779-2<br>270 766-9<br>6 x 271 162-0  | TD60A, F84, F85                                                                |
| <b>70428</b><br><b>FS-601</b> | 2 x 275 740-9<br>270 770-1<br>270 779-2<br>270 769-3<br>6x 271 162-0  | D60A/TD60A, B6, F6                                                             |
| <b>70429</b><br><b>FS-602</b> | 2x 275 740-9<br>270 770-1<br>270 779-2<br>270 768-5<br>6x 271 162-0   | TD60A, F6S                                                                     |
| <b>61453</b><br><b>FS-603</b> | 2x 275 740-9<br>270 762-8<br>270 778-4<br>270 768-5<br>6x 271 162-0   | TD60B, TD60C                                                                   |
| <b>51259</b><br><b>FS-610</b> | 2x 276 821-6<br>275 776-3<br>270 774-3<br>270 764-4<br>6x 271 161-2   | TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA, TD61GB, TD61GC, TD61GE, TD61GS |

## Gasket set complete engine overhaul

| dph-no.                        | OEM-no.                                                              | application                                                                                                                                                                           |
|--------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>37576</b><br><b>FS-700</b>  | 2x 275 525-4<br>270 761-0<br>270 957-4<br>270 771-9<br>6x 271 160-4  | D70A, D70B,<br>TD70A, TD70B, TD70D, TD70E,<br>TD70H*, TD70HA*<br>*for B57, BB57                                                                                                       |
| <b>48694</b><br><b>FS-701</b>  | 2x 275 525-4<br>270 761-0<br>270 777-6<br>270 771-9<br>6x 271 160-4  | TD70F, TD70FC, TD70FS, TD70G, TD70H*<br><br>*for B7F, B7FA                                                                                                                            |
| <b>48072</b><br><b>FS-710</b>  | 2x 276 816-6<br>275 781-3<br>270 775-0<br>270 765-1<br>6x 271 159-6  | TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD, TD71FS, TD71G                                                                                                                        |
| <b>37482</b><br><b>FS-1000</b> | 6x 275 551-0<br>276 034-6<br>276 122-9<br>270 958-2<br>6x 271 158-8  | D100A, D100B,<br>TD100A, TD100B, TD100C<br><br>from engine 18536-                                                                                                                     |
| <b>4550</b><br><b>FS-1001</b>  | 6x 270 789-1<br>276 034-6<br>276 122-9<br>270 958-2<br>6x 271 158-8  | TD100BG                                                                                                                                                                               |
| <b>37483</b><br><b>FS-1003</b> | 6x 270 789-1<br>276 035-3<br>276 122-9<br>276 052-8<br>6x 271 158-8  | TD100G, TD100GA, TD101F*, TD101FA*, TD101G*<br>TD101GA, GB<br>not for FL10<br>*up to engine -199157                                                                                   |
| <b>70293</b><br><b>FS-1011</b> | 6x 270 789-1<br>276 035-3<br>276 122-9<br>276 052-8<br>6x 271 157-0  | TD101F*, TD101FA*, TD101G*,<br>*from engine 199158-<br>Not for FL10<br><br>TD101GA, TD101GB                                                                                           |
| <b>70294</b><br><b>FS-1012</b> | 6 x 270 789-1<br>276 035-3<br>276 123-7<br>276 052-8<br>6x 271 158-8 | TD101F, TD101FA, TD101G<br>up to engine -199157<br>for FL10<br><br>TD101FC, FD                                                                                                        |
| <b>70295</b><br><b>FS-1013</b> | 6x 270 789-1<br>276 035-3<br>276 123-7<br>276 052-8<br>6x 271 157-0  | TD101F, TD101FA<br>from engine 199158- for FL10<br>TD101FC, TD101FD<br>TD102F, TD102FD, TD102FDQ, TD102FF, TD102FH, TD102FQ, TD102FS<br>Not for engines with plastic laminate oil pan |
| <b>70423</b><br><b>FS-2000</b> | 6x 275 551-0<br>275 533-8<br>270 782-6<br>270 958-2<br>6x 271 158-8  | HD100A, HD100D,<br>THD100A, THD100D, THD100DA, THD100DB, THD100DC, THD100DD<br>from engine 2499 up to 23198                                                                           |
| <b>48346</b><br><b>FS-2001</b> | 6x 275 551-0<br>275 741-7<br>270 782-6<br>270 958-2<br>6x 271 158-8  | THD100D, THD100DA, THD100DB, THD100DC, THD100DD<br>from engine 23199-                                                                                                                 |

## Gasket set complete engine overhaul

| dph-no.                        | OEM-no.                                                             | application                                                                                                                                                |
|--------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>48347</b><br><b>FS-2002</b> | 6x 270 789-1<br>275 741-7<br>270 782-6<br>276 052-2<br>6x 271 158-8 | THD100EA, THD100EB, THD100EC, THD100ED, THD100EE, THD100EK                                                                                                 |
| <b>48071</b><br><b>FS-2010</b> | 6x 270 789-1<br>275 741-7<br>275 785-4<br>276 052-8<br>6x 271 158-8 | THD101GB, THD101GC, THD101GD, THD101GK, THD101KB, THD101KC,<br>THD101KD, THD101KE, THD101KF<br>up to engine no. -40891                                     |
| <b>70424</b><br><b>FS-2011</b> | 6x 270 789-1<br>275 741-7<br>275 785-4<br>276 052-8<br>6x 271 157-0 | THD101*, THD102KA, THD102KB, THD102KD, THD102KE, THD102KF**<br>THD103KB, THD102KD, THD103KF<br>THD104KB, THD104KF<br>*from engine 40892-<br>**not for B10R |
| <b>37577</b><br><b>FS-2200</b> | 6x 275 548-6<br>275 554-4<br>276 124-5<br>270 772-7<br>6x 271 181-0 | TD120A                                                                                                                                                     |
| <b>37484</b><br><b>FS-2201</b> | 6x 275 548-6<br>275 554-4<br>276 124-5<br>270 772-7<br>6x 271 156-2 | TD120C, TD120D, TD120E, TD120F, TD120FA, TD120FB, TD120FC, TD120G, TD120GA<br>up to engine -55607                                                          |
| <b>48348</b><br><b>FS-2202</b> | 6x 275 548-6<br>275 554-4<br>275 124-5<br>270 772-7<br>6x 271 156-2 | TD120E, TD120F, TD120FA, TD120FB, TD120FC, TD120G, TD120GA<br>from engine 55608-                                                                           |
| <b>46779</b><br><b>FS-2210</b> | 6x 275 548-6<br>275 554-4<br>275 124-5<br>270 772-7<br>6x 271 155-4 | TD121F, TD121FA, TD121FB, TD121FC, TD121FD, TD121FF,<br>TD121FK, TD121G*, TD121GD*<br>up to engine -131995                                                 |
| <b>70296</b><br><b>FS-2212</b> | 6x 275 548-6<br>275 554-4<br>275 124-5<br>270 772-7<br>6x 270 950-9 | TD121G*, TD121GD*, TD122<br>*from engine 131996-<br><br>Not for engines with plastic laminate oil pan                                                      |

## Gasket set complete engine overhaul without liner sealing rings

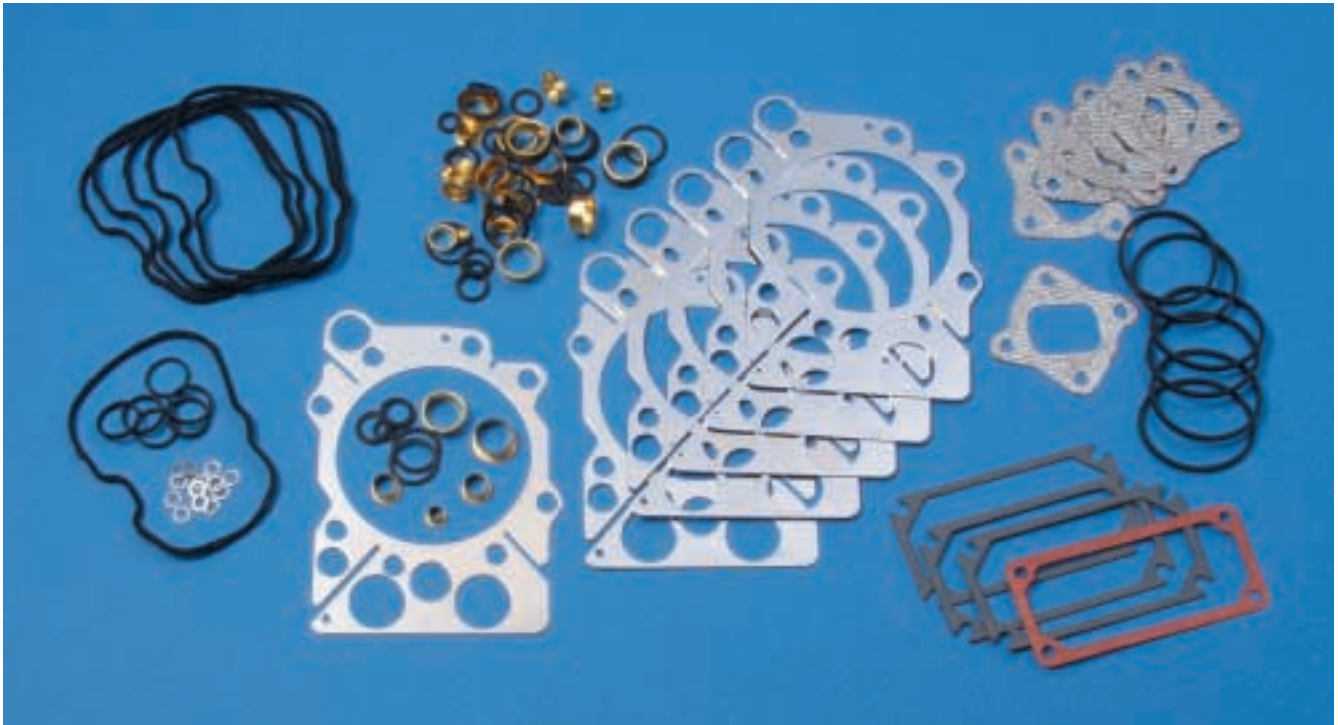


| dph-no.                        | OEM-no.                                              | application                                                                       |
|--------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>37485</b><br><b>FS-1500</b> | 2 x 275 740-9<br>270 770-1<br>270 779-2<br>270 766-9 | D50A, D50B, TD50A, TD50B,<br>TD60A, F84, F85                                      |
| <b>70421</b><br><b>FS-1601</b> | 2 x 275 740-9<br>270 770-1<br>270 779-2<br>270 769-3 | D60A, TD60A, B6, F6                                                               |
| <b>70422</b><br><b>FS-1602</b> | 2x 275 740-9<br>270 770-1<br>270 779-2<br>270 768-5  | TD60A, F6S                                                                        |
| <b>70297</b><br><b>FS-1603</b> | 2x 275 740-9<br>270 762-8<br>270 778-4<br>270 768-5  | TD60B, TD60C                                                                      |
| <b>48854</b><br><b>FS-1610</b> | 2x 276 821-6<br>275 776-3<br>270 774-3<br>270 764-4  | TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA, TD61GB,<br>TD61GC, TD61GE, TD61GS |
| <b>37486</b><br><b>FS-1700</b> | 2x 275 525-4<br>270 761-0<br>270 957-4<br>270 771-9  | D70A, D70B,<br>TD70A, TD70B, TD70D, TD70E, TD70H*, TD70HA*<br>*for B57, BB57      |
| <b>48695</b><br><b>FS-1701</b> | 2x 275 525-4<br>270 761-0<br>270 777-6<br>270 771-9  | TD70F, TD70FC, TD70FS, TD70G, TD70H*, HA*<br>*for B7F, B7FA                       |
| <b>48855</b><br><b>FS-1710</b> | 2x 276 816-6<br>275 781-3<br>270 775-0<br>270 765-1  | TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD, TD71FS, TD71G                    |

## Gasket set complete engine overhaul without liner sealing rings

| dph-no.                         | OEM-no.                                             | application                                                                                                                                                                                                       |
|---------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>37578</b><br><b>FS-11000</b> | 6x 275 551-0<br>276 034-6<br>276 122-9<br>270 958-2 | D100A, D100B,<br>TD100A, TD100B, TD100C<br>from engine 18536-                                                                                                                                                     |
| <b>4513</b><br><b>FS-11001</b>  | 6x 270 789-1<br>276 034-6<br>276 122-9<br>270 958-2 | TD100BG                                                                                                                                                                                                           |
| <b>37066</b><br><b>FS-11003</b> | 6x 270 789-1<br>276 035-3<br>276 122-9<br>276 052-8 | TD100G, TD100GA, TD101GA, TD101GB<br>TD101F*, TD101FA*, TD101G*, TD101GA, TD101GB<br>*not for FL10                                                                                                                |
| <b>46777</b><br><b>FS-11011</b> | 6x 270 789-1<br>276 035-3<br>276 123-7<br>276 052-8 | TD101FC, TD101FD, TD101F FL10, TD101FA FL10,<br>TD102FF, TD102FH, TD102FQ, TD102FS,<br>TD101G FL10, THD102, TD102FD, TD102FDQ<br><br>Not for engines with plastic laminate oil pan                                |
| <b>70420</b><br><b>FS-12000</b> | 6x 275 551-0<br>275 533-8<br>270 782-6<br>270 958-2 | HD100A, HD100D,<br>THD100A, THD100D, THD100DA, THD100DB, THD100DC, THD100DD<br>from engine 2499 up to 23198                                                                                                       |
| <b>70426</b><br><b>FS-22001</b> | 6x 275 551-0<br>275 741-7<br>270 782-6<br>270 958-2 | THD100D, THD100DA, THD100DB, THD100DC, THD100DD<br>from engine 23199-                                                                                                                                             |
| <b>70302</b><br><b>FS-22202</b> | 6x 270 789-1<br>275 741-7<br>270 782-6<br>276 052-8 | THD100EA, THD100EB, THD100EC, THD100ED, THD100EE, THD100EK                                                                                                                                                        |
| <b>48856</b><br><b>FS-22010</b> | 6x 270 789-1<br>275 741-7<br>275 785-4<br>276 052-8 | THD101GB, THD101GC, THD101GD, THD101GK, THD101KB, THD101KC, THD101KD, THD101KE, THD101KF<br>THD102KA, THD102KB, THD102KD, THD102KE<br>THD102KF not for B10R<br>THD103KB, THD103KD, THD103KF, THD104KB, THD104KF   |
| <b>70427</b><br><b>FS-22012</b> | 6x 270 789-1<br>275 741-7<br>276 095-7<br>276 052-8 | THD102KF, B10R                                                                                                                                                                                                    |
| <b>37579</b><br><b>FS-22200</b> | 6x 270 548-6<br>275 554-4<br>276 124-5<br>270 772-7 | TD120A, TD120C, TD120D, TD120E, TD120F, TD120FA, TD120FB, TD120FC, TD120G, TD120GA<br>up to engine -55607                                                                                                         |
| <b>37580</b><br><b>FS-22202</b> | 6x 275 548-6<br>275 554-4<br>276 124-5<br>270 772-7 | TD120E, TD120F, TD120FA, TD120FB, TD120FC, TD120G, TD120GA<br>from engine 55608-<br>TD121F, TD121FA, TD121FB, TD121FC, TD121FD, TD121FE, TD121FF,<br>TD121FK, TD121FN, TD121G*, TD121GD*<br>*up to engine -131995 |
| <b>51036</b><br><b>FS-22212</b> | 6x 270 949-1<br>275 554-4<br>276 125-2<br>270 772-7 | TD121G*, TD121GD*, TD122<br>*from engine no. 131996-<br><br>Not for engines with plastic laminate oil pan                                                                                                         |

## Decarbonizing gasket set



| dph-no.                        | OEM-no.                                 | application                                                                                                       |
|--------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>37581</b><br><b>HS-5000</b> | 2x 275 740-9<br>270 770-1<br>270 766-9  | D50A, D50B<br>TD50A, TD50B<br>TD60A F84, 85                                                                       |
| <b>81826</b><br><b>HS-6001</b> | 2x 275 740-9<br>270 770-1<br>270 769-3  | D60A/TD60A B6, F6                                                                                                 |
| <b>81827</b><br><b>HS-6002</b> | 2x 275 740-9<br>270 770-1<br>270 768-5  | TD60A F6S                                                                                                         |
| <b>51260</b><br><b>HS-6003</b> | 2x 275 740-9<br>270 762-8<br>270 768-5  | TD60B, TD60C                                                                                                      |
| <b>4245</b><br><b>HS-6010</b>  | 2 x 276 821-6<br>275 776-3<br>270 764-4 | TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA,<br>TD61GB, TD61GC, TD61GE, TD61GS, TD61E, TD61ES<br>TD63E, TD63ES |
| <b>37064</b><br><b>HS-7000</b> | 2x 275 525-4<br>270 761-0<br>270 771-9  | D70A, D70B<br>TD70A, TD70B, TD70C, TD70D, TD70E, TD70F, TD70FC, TD70FS,<br>TD70G, TD70H, TD70HA                   |
| <b>37062</b><br><b>HS-7010</b> | 2x 276 816-6<br>275 781-3<br>270 765-1  | TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD,<br>TD71FQ, TD71FS, TD71FSQ, TD71G                                |

## Decarbonizing gasket set

| dph-no.                        | OEM-no.                                     | application                                                                                                                                                                                                          |
|--------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>37582</b><br><b>HS-8000</b> | 6x 275 551-0<br>276 034-6<br>270 958-2      | D100A, D100B,<br>TD100A, TD100B, TD100C<br>from engine 18536- up to -145715                                                                                                                                          |
| <b>6452</b><br><b>HS-8001</b>  | 6x 270 789-1<br>276 034-6<br>270 958-2      | TD100BG                                                                                                                                                                                                              |
| <b>81825</b><br><b>HS-8002</b> | 6x 275 551-0<br>276 035-3<br>270 958-2<br>- | TD100C from engine 145716-                                                                                                                                                                                           |
| <b>37063</b><br><b>HS-8003</b> | 6x 270 789-1<br>276 035-3<br>276 052-8      | TD100G, TD100GA,<br>TD101F, TD101FA, TD101FC, TD101FD, TD101G, TD101GA, TD101GB,<br>TD102F, TD102FD, TD102FDQ, TD102FF, TD102FH, TD102FL, TD102FM, TD102FQ, TD102FS<br>TD103E, TD103ES                               |
| <b>81824</b><br><b>HS-8004</b> | 6 x 275 551-0<br>275 533-8<br>270 958-2     | HD100A, HD100D,<br>THD100A, THD100D, THD100DA, THD100DB, THD100DC, THD100DD<br>from engine 2499- up to -23198                                                                                                        |
| <b>48779</b><br><b>HS-8005</b> | 6 x 275 551-0<br>275 741-7<br>276 052-8     | THD100D, THD100DA, THD100DB, THD100DC, THD100DD<br>from engine 23199-                                                                                                                                                |
| <b>46778</b><br><b>HS-8006</b> | 6x 270 789-1<br>275 741-7<br>276 052-8      | THD100EA, THD100EB, THD100EC, THD100ED, THD100EE, THD100EK,<br>THD101, THD102, THD103,<br>THD104, DH10A                                                                                                              |
| <b>37583</b><br><b>HS-9000</b> | 6x 275 548-6<br>275 554-4<br>270 772-7      | TD120A, TD120C, TD120D, TD120E, TD120F, TD120FA, TD120FB, TD120FC, TD120G, TD120GA,<br>TD121F, TD121FA, TD121FB, TD121FC, TD121FD, TD121FE, TD121FF, TD121FK, TD121FN,<br>TD121G*, TD121GD*<br>*up to engine -131995 |
| <b>61338</b><br><b>HS-9001</b> | 6x 270 949-1<br>275 554-4<br>270 772-7      | TD122F, TD122FA, TD122FH, TD122FK, TD122FL, TD122FR, TD122FS,<br>TD123E, TD123ES,<br>TD121G*, TD121GD*<br>*from engine 131996-                                                                                       |

## Water seal cylinder

| dph-no. | OEM-no.   | application                                                                                                                                  |
|---------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 556     | 479 260-2 | D100A, D100B, TD100, TD101, TD102, TD103, D10A<br>IMPORTANT!!!<br>Use installation paste when fitting the seal.<br>Do not use grease or oil. |

## Installation paste

| dph-no. | OEM-no.     | application                                                                      |
|---------|-------------|----------------------------------------------------------------------------------|
| 37092   | 1 696 135-8 | For water seal cylinder head<br>479260-2<br>and cylinder liner sealing ring kits |

## Rubber seal

| dph-no. | OEM-no.   | application                                                                                      |
|---------|-----------|--------------------------------------------------------------------------------------------------|
| 69924   | 471 956-3 | For pipe oil filter housing-oil cooler to:<br>TD61, TD63, TD71, TD73<br>Size: 17x25,7x7,3 FPM 70 |

## Gasket for plugs to cylinder block

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                 |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 49002   | 469 327-1 | For plugs ref.Nr.: 46365-3 1 1/2" and 467367-9 1 3/4"<br>469327-1 for cylinder head: D100, TD100-103, HD100, THD100-104, TD120-123, TD162-163, D10A, DH10A<br>469328-9 for cylinder head: D50, TD50, D60, TD60, D70, TD70 469328-9 for cylinder block:<br>D50, TD50, D60, TD60, TD61, TD63, D70, TD70, TD71, 73, D100, TD100-103, HD100, THD100-104, TD120-123, D10A, DH10A |
| 49003   | 469 328-9 |                                                                                                                                                                                                                                                                                                                                                                             |

## Valve cover gasket

| dph-no. | OEM-no.   | application                                                                           |
|---------|-----------|---------------------------------------------------------------------------------------|
| 35985   | 420 066-3 | D50A, D50B, TD50A, TD50B, D60A, TD60A, TD60B, TD60C                                   |
| 46747   | 465 952-0 | TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA, TD61GB, TD61GE, TD61GS, TD63E, TD63ES |

## Valve cover gasket

| dph-no. | OEM-no.   |                                                                                     | application                                                                                                                                                                                                                                                                                       |
|---------|-----------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 32919   | 421 066-2 |    | D70A, D70B,<br>TD70A, TD70B, TD70C, TD70D, TD70E, TD70F, TD70FC,<br>TD70FS, TD70G, TD70H, TD70HA                                                                                                                                                                                                  |
| 46748   | 471 520-7 |    | TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD,<br>TD71FQ, TD71FS, TD71FSQ, TD71G,<br>TD73E, TD73ES                                                                                                                                                                                              |
| 32918   | 423 146-0 |    | <b>UPPER GASKET</b><br>D100A, D100B, TD100A, TD100B, TD100C<br>up to engine -145715<br>HD100A, HD100D, THD100A, THD100D, THD100DA,<br>THD100DB, THD100DC, THD100DD<br>up to engine -23198<br>B58BR THD100D up to -1554                                                                            |
| 32981   | 423 145-2 |  | <b>LOWER GASKET</b><br>D100A, D100B, TD100A, TD100B, TD100C<br>up to engine -145715<br>HD100A, HD100D, THD100A, THD100D, THD100DA,<br>THD100DB, THD100DC, THD100DD<br>up to engine -23198<br>B58BR THD100D up to -1554                                                                            |
| 35781   | 424 694-8 |  | <b>UPPER GASKET</b><br>TD100C from engine 145716-<br>TD100G, TD100GA, TD101, TD102, TD103, THD100D*,<br>THD100DA*, THD100DB*, THD100DC*, THD100DD*<br>*from engine 23199-<br>B58BR THD100D from 1555-<br>THD101, TD101, THD101, TD 102, THD102, TD103,<br>THD103, THD104KB, THD104KF, D10A, DH10A |
| 35735   | 424 693-0 |  | <b>LOWER GASKET</b><br>TD100C from engine 145716-<br>TD100G, TD100GA, TD101, TD102, TD103, THD100D*,<br>THD100DA*, THD100DB*, THD100DD*, HD100DC*<br>*from engine 23199-<br>B58BR ZHD100D from 1555-<br>THD101, TD101, TD102, THD103, TD103, THD103,<br>THD104KB, THD104KF, D10A, DH10A           |
| 36032   | 424 692-2 |  | TD120, TD121, TD122, TD123                                                                                                                                                                                                                                                                        |

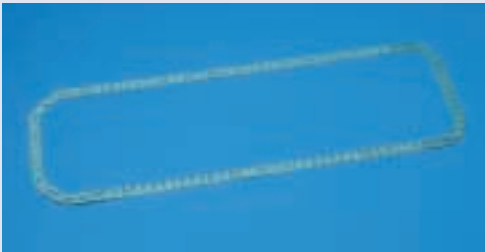
## Gasket inspection cover cylinder block

| dph-no.      | OEM-no.   | application                                                                                                                                                                   |
|--------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>48512</b> | 421 121-5 | D50, TD50, D60, TD60, TD61, TD63, D70, TD70, TD71, TD73, D6A, D7A, D7B                                                                                                        |
| <b>48073</b> | 469 823-9 | D100, TD100, TD101, TD102, TD103, TD120, TD121, TD122, TD123, HD100*, THD100*, THD101*, THD102*, THD103*, THD104KB*, TH104KF*, D10A, DH10A<br>*also for oil collector housing |

## Oil pan gasket

| dph-no.      | OEM-no.   | application                                                                                                                                                                                                                                                            |
|--------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>4649</b>  | 424 600-5 | D50A, D50B, TD50A, TD50B, D60A, TD60A, TD60B, TD60C, TD61F, TD61FB, TD61FBQ, TD61G, TD61GA, TD61GB, TD61GE, TD61GS<br><br>Not for engines with plastic laminate oil pan<br><br>4-part gasket                                                                           |
| <b>84384</b> | 424 601-3 | D70A, D70B, TD70A, TD70B, TD70C, TD70D, TD70E, TD70F, TD70FC, TD70FS, TD70G, TD70H, TD70HA, TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD, TD71FS, TD71G<br><br>Not for engines with plastic laminate oil pan                                                        |
| <b>4514</b>  | 424 602-1 | TD100G, TD100GA, TD101F, TD101FA, TD101FC, TD101FD, TD101GA, TD101GB, TD102F, TD102FD, TD102FDQ, TD102FF, TD102FH, TD102FQ, TD102FDS<br><br>Not for engines with plastic laminate oil pan<br><br>4-part gasket                                                         |
| <b>80359</b> | 424 603-9 | TD120A, TD120C, TD120D, TD120E, TD120F, TD120FA, TD120FB, TD120FC from engine 55608- TD120G, TD120GA, TD121F, TD121FA, TD121FB, TD121FC, TD121FD, TD121FE, TD121FF, TD121FK, TD121G, TD121GD, TD122*<br>Not for engines with plastic laminate oil pan<br>4-part gasket |
| <b>37491</b> | 424 918-1 |                                                                                                                                                                                                                                                                        |

## Oil pan gasket

| dph-no.                                     | OEM-no.                             |                                                                                     | application                                                                                                                                                                                                                 |
|---------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>70392</b><br><b>36512</b>                | 424 919-1<br>421 025-8              |    | D70A, D70B,<br>TD70A, TD70B, TD70C, TD70D, TD70E, TD70F, TD70FC,<br>TD70FS, TD70G, TD70H, TD70HA,<br>TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD,<br>TD71FS, TD71G<br><br>Not for engines with plastic laminate oil pan |
| <b>36514</b><br><b>36946</b>                | 478 505-1<br>424 605-4              |    | TD120A, TD120C, TD120D, TD120E, TD120F, TD120FA,<br>TD120FB, TD120FC<br><br>up to engine -55607                                                                                                                             |
| <b>36045</b><br><b>4514</b><br><b>37492</b> | 479 264-4<br>424 602-1<br>424 604-7 |    | D100A, D100B<br>TD100A, TD100B, TD100BG, TD100C<br><br>4-part gasket                                                                                                                                                        |
| <b>37586</b>                                | 424 607-0                           |   | <b>UPPER GASKET</b><br>HD100A, HD100D,<br>THD100A, THD100DB, THD100DC, THD100DD, THD100EA,<br>THD100EB, THD100EC, THD100ED, THD100EE, THD100EK,<br>THD102, B10R                                                             |
| <b>37587</b>                                | 424 276-4                           |  | <b>LOWER GASKET</b><br>HD100A, HD100D,<br>THD100A, DB, DC, DD, EA, EB, EC, ED, EE, EK,<br>THD102K B10R                                                                                                                      |
| <b>81683</b>                                | 420 941-7                           |  | TD73E, TD63ES, D6A<br><br>For engines with plastic laminate oil pan<br><br>Rubber gasket                                                                                                                                    |
| <b>81686</b>                                | 479 484-8                           |  | TD122, TD123E, TD123ES<br><br>For engines with plastic laminate oil pan – 4-part gasket<br><br>Rubber gasket                                                                                                                |

## Oil pan gasket

| dph-no. | OEM-no.   | application                                                                                                                 |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| 81685   | 479 486-3 | TD102, TD103E, TD103EA, TD103ES, D10A<br><br>For engines with plastic laminate oil pan – rubber gasket<br><br>Rubber gasket |



## Rubber seal oil filter cap

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                   |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 69766   | 940 096-1 | TD40A, TD41G, D50, TD50, D60, TD60, TD61, TD63, D70, TD70, TD71, TD73, D100, TD100, THD100, TD101, THD101, TD102, THD102, TD103, THD103, THD104, TD120, TD121, TD122, TD123, TD162, TD163, D6A, D7A, D7B, D10A, DH10A<br>Size: 42x57x3 NBR 70 |



## Rubber gasket oil filter housing

| dph-no. | OEM-no.   | application                                                                                            |
|---------|-----------|--------------------------------------------------------------------------------------------------------|
| 35737   | 469 484-0 | TD100A engine no. 62343 –132654,<br>TD100B engine no. 62343-132461                                     |
| 61482   | 469 487-3 | TD100A engine no. 132655-<br>TD100B engine no. 132462-<br>TD100C, TD100G, TD100GA, TD101, TD102, TD103 |
| 61481   | 469 486-5 | TD120 excl. TD120A,<br>TD121, TD122, TD123                                                             |



## Rubber gasket oil cooler

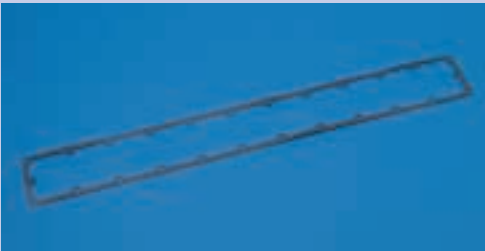
| dph-no. | OEM-no.   | application                                |
|---------|-----------|--------------------------------------------|
| 51329   | 471 465-5 | TD70B, TD70E, TD70F, TD70FC, TD70FS, TD70G |



## Gasket exhaust manifold

| dph-no. | OEM-no.   |                                                                                     | application                                                                                                                                              |
|---------|-----------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37588   | 420 708-0 |    | D50A, D50B, TD50A, TD50B, D60A, TD60A, TD60B, TD60C                                                                                                      |
| 69851   | 420 538-1 |    | TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA, TD61GB, TD61GE, TD61GS, TD63E, TD63ES, D6A                                                               |
| 36717   | 421 534-9 |    | D70A, D70B, TD70A, TD70B, TD70C, TD70D, TD70E, TD70F, TD70FC, TD70FS, TD70G, TD70H, TD70HA                                                               |
| 36718   | 471 650-2 |   | TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD, TD71FQ, TD71FS, TD71FSQ, TD71G, TD73E, TD73ES, D7A, D7B                                                 |
| 37493   | 424 634-4 |  | D100A, D100B, TD100A, TD100B, TD100BG, TD100C, THD100A, THD100D, THD100DA, THD100DB, THD100DC, THD100DD                                                  |
| 48687   | 479 107-5 |  | TD100G, TD100GA, THD100EA, THD100EB, THD100C, THD100ED, THD100EE, THD100EK, TD101, THD101, TD102, THD102, TD103, THD103, THD104KB, THD104KF, D10A, DH10A |
| 37548   | 470 534-9 |  | TD120, TD121, TD122, TD123                                                                                                                               |

## Gasket intake manifold

| dph-no. | OEM-no.   |                                                                                     | application                                                                                          |
|---------|-----------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 81982   | 424 610-4 |    | D50A, D50B, TD50A, TD50B<br><br>TD60A for F84, F85                                                   |
| 77238   | 424 611-2 |    | D60A, TD60B, TD60C<br><br>TD60A excl. F84, F85                                                       |
| 50326   | 424 612-0 |    | D70A, D70B,<br>TD70A, TD70B, TD70C, TD70D, TD70E, TD70F,<br>TD70FC, TD70FS, TD70G, TD70H, TD70HA     |
| 69895   | 469 661-3 |   | THD101<br>THD102, THD103, THD104KB, THD104KF,<br>DH10A<br><br>For intake manifold-intercooler        |
| 69897   | 469 662-1 |  | THD101<br>THD102, THD103, THD104KB, THD104KF,<br>DH10A<br><br>For connecting pipe-intake manifold    |
| 50588   | 469 829-6 |  | Rubber ring<br>D100, HD100, TD100, THD100, TD101,<br>THD101, TD102, THD102, TD103,<br>THD103, THD104 |
| 50616   | 423 174-2 |  | Rubber ring<br>TD120, TD121, TD122, TD123<br>Size: 78,5x85,5x4,5 NBR 70                              |

## Gasket timing gear casing cover

| dph-no. | OEM-no.   |                                                                                   | application                                                                                                                                                |
|---------|-----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36044   | 469 259-6 |  | HD100A, HD100D, THD100A<br>for engines with servo pump take-off transmission<br>THD100D, THD100DA, THD100DB, THD100DC, THD100DD<br>up to engine no. -21019 |
| 36042   | 468 116-9 |  | TD 101/102                                                                                                                                                 |
| 36041   | 467 177-2 |  | TD 101/102                                                                                                                                                 |

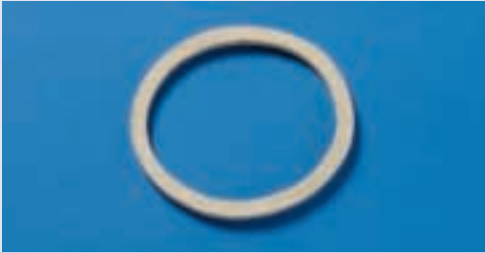
## Rubber seal oil cooler

| dph-no. | OEM-no.   |                                                                                     | application                                    |
|---------|-----------|-------------------------------------------------------------------------------------|------------------------------------------------|
| 69830   | 471 467-1 |  | TD71, TD73, D7A, D7B<br>Size: 48x63x7,4 FPM 70 |

## Rubber seal oil cooler pipe

| dph-no. | OEM-no.   |                                                                                     | application                                         |
|---------|-----------|-------------------------------------------------------------------------------------|-----------------------------------------------------|
| 69884   | 471 637-9 |  | D6A, TD71, TD73, D7A, D7B<br>Size: 25x33,5x7 NBR 70 |

## Felt ring crankshaft front sealing

| dph-no. | OEM-no.   |                                                                                     | application                                                                                                                                                 |
|---------|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4053    | 421 131-4 |  | D50A, D50B, TD50A, TD50B,<br>D60A, TD60A, TD60B, TD60C,<br>D70A, D70B, TD70A, TD70B, TD70C, TD70D,<br>TD70E, TD70F, TD70FC, TD70FS, TD70G,<br>TD70H, TD70HA |

## Felt ring crankshaft front sealing

| dph-no. | OEM-no.   |                                                                                   | application                                                                                                                                                                                                                       |
|---------|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36299   | 942 083-7 |  | TD61, TD71                                                                                                                                                                                                                        |
| 37205   | 422 146-1 |  | D100A, TD100B, TD100A, TD100B, TD100BG, TD100C, TD100G, TD100GA, TD101F for engine -168545, TD101G for engine-174866, TD120A, TD120C, TD120D, TD120E, TD120F, TD120FA, TD120FB, TD120FC, TD120G, TD120GA, TD121 for engine -91925 |
| 36719   | 941 666-0 |  | HD100, THD100                                                                                                                                                                                                                     |

## Felt ring crankshaft rear sealing

| dph-no. | OEM-no.   |                                                                                     | application                                                                                                     |
|---------|-----------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 4054    | 421 147-0 |  | D50A, D50B, TD50A, TD50B, D60A, TD60A, TD61, TD63, D70A, D70B, TD70A, TD70B, TD70C, TD70D, TD70E, TD70H, TD70HA |
| 46803   | 422 145-3 |  | D100A, D100B, TD100A, TD100B up to engine -58275, TD120A up to engine -13193                                    |

## O-Ring oil cooler

| dph-no. | OEM-no.   |                                                                                     | application                                                                         |
|---------|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 50607   | 944 988-5 |  | TD70B, TD70E, TD70F, TD70FC, TD70FS, TD70G<br>2 Pcs required<br>Size: 17x4,5 NBR 70 |

## O-Ring oil cooler

| dph-no.      | OEM-no.   |                                                                                   | application                                                                                                                                                    |
|--------------|-----------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>32927</b> | 949 656-3 |  | TD70B, TD70E, TD70F, TD70FC, TD70FS, TD70G<br>2 Pcs required<br>For oil filter housing to:<br>D60, TD60, TD61, TD63, TD71, TD73, D7A, D7B<br>Size: 19x3 FPM 80 |
| <b>70050</b> | 943 177-6 |  | TD70B, TD70E, TD70F, TD70FC, TD70FS, TD70G<br>up to engine No. -155 993<br>8 Pcs required<br>Size: 15,3x2,4 FPM 80                                             |

# Engine parts, fuel, exhaust and cooling system parts

## Oil seal crankshaft front sealing

| dph-no.       | OEM-no.                    |                                                                                    | application                                                                                                                                                                                                                                             |
|---------------|----------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>82787</b>  | 477 118-4<br>MVQ ARD       |   | TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA, TD61GB, TD61GE, TD61GS, TD63E, TD63ES, TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD, TD71FQ, TD71FS, TD71FSQ, TD71G, TD73E, TD73ES, D6A, D7A, D7B<br>Size: 76,2x101,6x11,9                           |
| <b>110485</b> | 447 7118-4<br>FPM A/BS RD  |                                                                                    |                                                                                                                                                                                                                                                         |
| <b>37211</b>  | 424 983-5<br>FPM A/BS RD W |   | TD100BG, TD100C, TD100G, TD100GA, HD100, THD100, TD101F from engine 168546-, TD101G from engine 174867- THD101, TD102, THD102, TD103E, EA, ES, THD103, THD104KB, KF TD121 from engine 91926-, TD122, TD123E, TD123ES, D10A<br>Size: 85,73x114,33x13/9,5 |
| <b>110473</b> | 424 983-5<br>MVQ AS W RD   |                                                                                    |                                                                                                                                                                                                                                                         |
| <b>97594</b>  | 424 763-1                  |  | THD102, THD103, THD104, TH10A, DH10A<br>Size: 130x160x15 FPM AW/BS RD                                                                                                                                                                                   |

## Oil seal crankshaft rear sealing

| dph-no.       | OEM-no.                  |                                                                                     | application                                                                                                                                                                                                                                                                                                                                                  |
|---------------|--------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>36586</b>  | 477 119-2<br>MVQ ALD     |  | TD60A, F6S, TD60B, TD60C, TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA, TD61GB, TD61GE, TD61GS, TD63E, TD63ES, TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD, TD71FQ, TD71FS, TD71FSQ, TD71G, TD73E, TD73ES, D6A, D7A, D7B<br>Size: 127x150x12                                                                                                           |
| <b>110486</b> | 477 119-2<br>FPM A/BS LD |                                                                                     |                                                                                                                                                                                                                                                                                                                                                              |
| <b>15252</b>  | 469 336-2                |  | D100A, B, TD100A, TD100B from engine 58276-, TD100BG, TD100C, TD100G, TD100GA, HD100, THD100, TD101, THD101, TD102, THD102, TD103E, TD103EA, TD103ES, THD103, THD104KB, THD104KF, TD120A from engine 13194-, TD120C, TD120D, TD120E, TD120F, TD120A, TD120FB, TD120FC, TD120G, TD120GA, TD122, TD123E, TD123ES, D10A, DH10A<br>Size: 155x180x15 FPM A/BS LDW |

## Oil seal



| dph-no.      | OEM-no.     | application                             |
|--------------|-------------|-----------------------------------------|
| <b>95873</b> | 1 139 840-1 | Size: 85x105x12/10<br>blue dph B NBR    |
| <b>94318</b> | 1 070 379-1 | Size: 100x120x12<br>A/BS WD FPM dph     |
| <b>95875</b> | 1 190 064-4 | Size: 85x105x10<br>B LD FPM dph         |
| <b>81507</b> | 1 518 399   | Size: 22,23x35,15x9,52<br>AS FPM dph    |
| <b>95892</b> | 1 522 896   | Size: 150x180x17,50/16                  |
| <b>95354</b> | 1 523 239   | Size: 90x145x10/15<br>A/B SP FPM dph    |
| <b>95878</b> | 1 526 688-5 | Size: 55x75x8                           |
| <b>94314</b> | 1 593 459-9 | Size: 100x140x17<br>SP FPM dph          |
| <b>94319</b> | 1 594 257-6 | Size: 145x175x17<br>SP FPM dph          |
| <b>94048</b> | 1 669 618   | Size: 90x110x11/9,5<br>AW/BS LD FPM dph |
| <b>50742</b> | 231 938-2   | Size: 130x160x15<br>AS MVQ LD dph       |
| <b>81848</b> | 240 022     | Size: 25x35x7<br>blue AS NBR dph        |
| <b>81330</b> | 247 597-7   | Size: 117,47x152,4x11,51<br>spezial dph |
| <b>93291</b> | 3 123 521-1 | Size: 145x172x19<br>NBR spezial dph     |

## Oil seal

| dph-no.      | OEM-no.     | application                               |
|--------------|-------------|-------------------------------------------|
| <b>4293</b>  | 3 514 943   | Size: 30x47x7<br>A SP NBR dph             |
| <b>96085</b> | 346 822-0   | Size: 10x15x13 B OF NBR                   |
| <b>94315</b> | 6 771 541-7 | Size: 135x165x17 CS spezial dph FPM       |
| <b>95884</b> | 6 876 142-8 | Size: 25x35x7 B NBR dph                   |
| <b>80413</b> |             | Size: 98x110,70x6,8 ASW MVQ               |
| <b>81186</b> |             | Size: 55x73x8,5/7,5<br>black B SP NBR dph |
| <b>82246</b> |             | Size: 28x38x9/11<br>ASW FPM dph           |
| <b>82425</b> | 1 587 792-1 | Size: 110x140x21,5 SP NBR dph             |
| <b>46809</b> | 1 089 552-2 | Size: 110x140x12/21,5 NBR WD spezial dph  |
| <b>82985</b> |             | Size: 22x32x9/11 AS W FPM dph             |
| <b>84162</b> | 1 695 593   | Size: 20x40x8 A SP FPM                    |
| <b>94037</b> |             | Size: 25x41,3x10<br>A SP NBR blue dph     |
| <b>81414</b> | 946 093-2   | Size: 125x150x13 BS NBR                   |
| <b>94036</b> | 948 826-3   | Size: 68x80x8 B RD LA FPM dph             |
| <b>69527</b> | 949 573     | Size: 44x58x7 B NBR blue dph              |
| <b>93784</b> | 958 861-7   | Size: 38x52x7 NBR A                       |
| <b>36318</b> | 821 755-6   | Size: 155x180x15                          |
| <b>15252</b> | 469 336-2   | FPM A/BS LD W dph                         |
| <b>98639</b> | 241 625     | Size: 16x30x7 AS NBR                      |

## Thermostat seal

| dph-no.      | OEM-no.                  | application                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>32184</b> | 416 033-9<br>1 317 466-9 |  <p>TD40A, TD41G, TD50, D60, TD60, D70, TD70A, TD70B, TD70C, TD70D, TD70E, TD70F*, TD70FC*, TD70FS*, TD70G*, TD70H, TD70HA, D100, TD100, HD100, THD100, TD120<br/>                     *up to engine -153800<br/>                     Also for intercooler thermostat to:<br/>                     THD101, THD 102, THD103*<br/>                     *up to engine -61587</p> |

## Thermostat seal

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                                       |
|---------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 69821   | 1 544 410-2 |  <p>TD70F*, TD70FC*, TD70FS*, TD70G*,<br/>*from engine 153801-,<br/>TD61, TD63, TD71, TD73, TD101, THD101, TD102,<br/>TD103, THD103, THD104KB, THD104KF,<br/>TD121, TD122, TD123, TD162, TD163,<br/>D16A, D6A, D7A, D7B, D10A, DH10A<br/>UPPER seal</p>                          |
| 82269   | 471 788-0   |  <p>Seal thermostat housing<br/>TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA,<br/>TD61GB, TD61GC, TD61GE, TD61GS,<br/>TD63E, TD63ES,<br/>TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD,<br/>TD71FQ, TD71FS, TD71FSQ, TD71G, TD71E,<br/>TD72ES, TD73ES,<br/>D6A, D7A, D7B</p> |

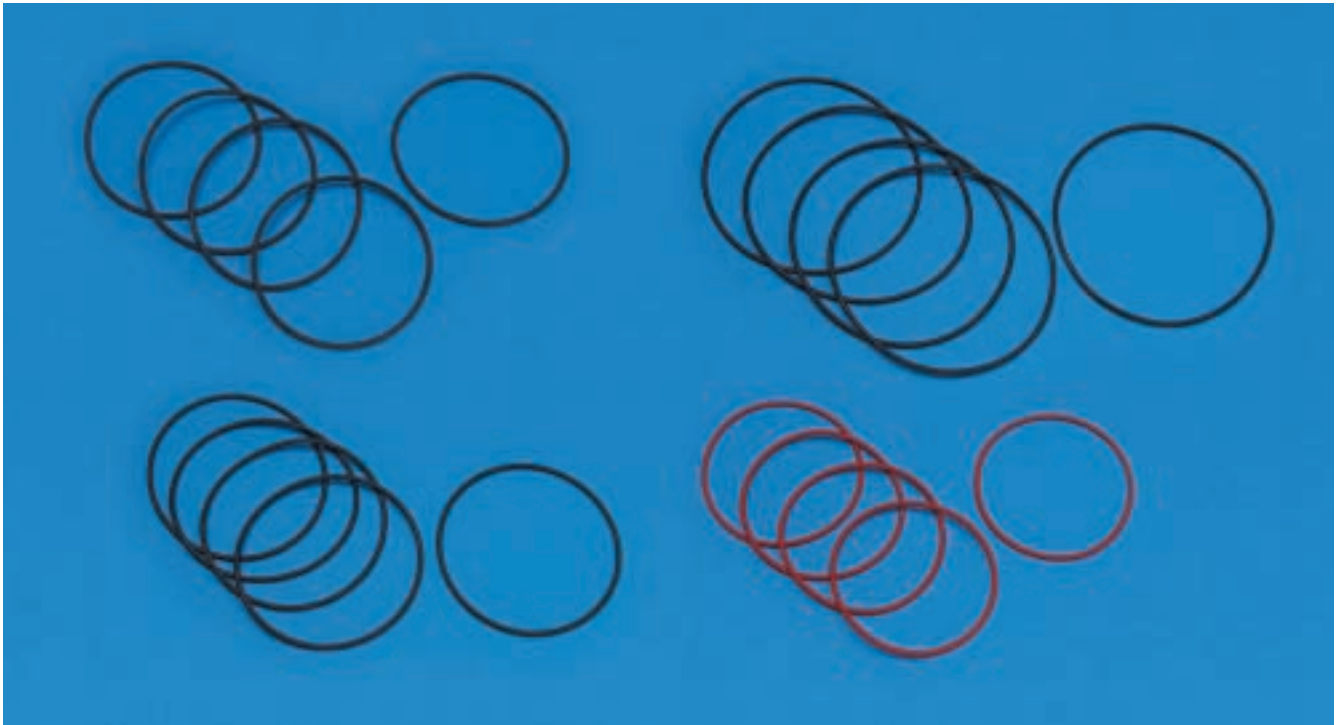
## Sealing ring coolant pump

| dph-no. | OEM-no.   | application                                                                                                                                                                                                              |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 94044   | 958 811-2 |  <p>FL6, FL7, FS7, F10, F12, FH12, F16, FH16, N10, NL10S,<br/>N12, NL12S, B6, B10B, B10L, B10M, B58<br/>Size: 15x35x7 NBR A W blue</p> |

## Sealing ring

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                           |
|---------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 51880   | 471449-9    |  <p>FL10, FL616, FL617, FL618, FL619,, FL609, FL610, FL611,<br/>FL612, FL613, FL614,(CH 314000 -), F12 (CH 314000 -)<br/>Size: 52x8 MVQ 60 red</p> |
| 69803   | 1 542 783-4 |  <p>FL10, FL10 (CH 25001 -), F12, F16, N12, B10, B12<br/>Size: 71x7 MVQ 70 red</p>                                                                 |
| 81985   | 469 908-8   |  <p>B10, B58<br/>Material: FPM</p>                                                                                                                 |

## Sealing ring/Valve stem seal



| dph-no.      | OEM-no.     | application                        |
|--------------|-------------|------------------------------------|
| <b>95914</b> | 1 075 725   |                                    |
| <b>50589</b> | 1 664 473-4 | Size: 60x3 EPDM 70<br>OR 473       |
| <b>70046</b> | 190 418-4   | Size: 13x3 NBR 70<br>OR 065        |
| <b>70236</b> | 466 739-0   | Size: 40x7 MVQ<br>OR 739           |
| <b>70239</b> | 466 740-8   | Size: 48x7 MVQ 60 red<br>OR 740    |
| <b>36387</b> | 846 937     |                                    |
| <b>50647</b> | 925 069-7   | Size: 45x3 NBR 70<br>engine        |
| <b>70048</b> | 925 092-9   | Size: 54x3 NBR 70<br>engine        |
| <b>70049</b> | 925 095-2   | Size: 84x3 NBR<br>water pump       |
| <b>70052</b> | 925 259-4   | Size: 99,5x3 NBR<br>engine         |
| <b>81988</b> | 925 266     | Size: 139,5x3 NBR 70<br>water pump |
| <b>70047</b> | 942 089-4   | Size: 21x3 NBR 70                  |
| <b>81989</b> | 946 773     | Size: 52x3 NBR                     |
| <b>93807</b> | 948 254     | Size: 34x3 FPM 80                  |

## Sealing ring/Valve stem seal

| dph-no.      | OEM-no.   | application                         |
|--------------|-----------|-------------------------------------|
| <b>93396</b> | 948 983-2 | Size: 125x3 FPM purple              |
| <b>70241</b> | 948 610-1 | Size: 39,5x3 FPM 80                 |
| <b>70055</b> | 949 657-1 | Size: 22,2x3 FPM 80<br>OR 657       |
| <b>70232</b> | 949 721-5 | Size: 26,2x3 FPM 80<br>OR 721 turbo |
| <b>33570</b> | 960 218-6 | Size: 19x1,5 NBR 90<br>OR 218       |
| <b>81993</b> | 977 176   | Size: 12,37x2,62 FPM 80             |
| <b>32047</b> | 415 424-1 |                                     |
| <b>50646</b> | 469 508-6 | Size: 64x7 MVQ 70 red               |
| <b>51114</b> | 469 509-4 | Size: 57x7 MVQ 60 red               |
| <b>82242</b> | 469 668-8 | Size: 38x5 FPM 80                   |
| <b>70007</b> | 477 059-0 | Size: 44,2x5,7 EPDM                 |
| <b>32982</b> | 469 456-8 |                                     |
| <b>94042</b> | 1 526 181 | Size: 28x 35x4 NBR                  |
| <b>94555</b> | 1 526 439 | Size: 60x80x2 NBR                   |
| <b>70046</b> | 190 418-4 | Size: 13x3,1 NBR                    |
| <b>70005</b> | 925 053-1 | Size: 8x2,4 NBR                     |
| <b>70053</b> | 925 059-8 | Size: 44,2x5,7 NBR                  |
| <b>51214</b> | 925 063-0 | Size: 29x3 NBR                      |
| <b>51548</b> | 925 091-1 | Size: 49x3 NBR                      |
| <b>50324</b> | 925 094-5 | Size: 75x3 NBR                      |
| <b>51290</b> | 925 257-8 | Size: 89,5x3 NBR                    |
| <b>70051</b> | 925 258-6 | Size: 94,5x3 NBR                    |
| <b>70056</b> | 949 658-9 | Size: 24x3 FPM                      |
| <b>51881</b> | 949 659-7 | Size: 34x3 FPM                      |
| <b>16032</b> | 955 984-0 | Size: 10x1,5 NBR                    |

## Valve lifter

| dph-no.      | OEM-no.   | application                                                                                                                                                                     |
|--------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>36301</b> | 421 067-0 | D50A, D50B, TD50A, TD50B,<br>D60A, TD60A, TD60B, TD60C, TD61, TD63E, TD63ES,<br>D70, TD70, TD71, TD73E, TD73ES,<br>D6A, D7A, D7B                                                |
| <b>36302</b> | 479 031-7 | D100, HD100, TD100, THD100, TD101*, THD101*,<br>TD102*, THD102*, TD120, TD121*, TD122*<br>*early production cast valve lifter,<br>can not be used together with forged camshaft |

## Valve guide

| dph-no.      | OEM-no.     | application                                                                                                                                                                                             |
|--------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>81918</b> | 1 545 135-4 | Intake a. exhaust                                                                                                                                                                                       |
| <b>61157</b> | 421 297-3   | D70A, D70B, TD70A, TD70B, TD70C Turbo<br>D70C                                                                                                                                                           |
| <b>81843</b> | 466 386-0   | Intake a. exhaust<br>TD70D, TD70E, TD70F, TD70FC, TD70FS, TD70G,<br>TD70H, TD70HA,<br>TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD,<br>TD71FQ, TD71FS, TD71FSQ, TD71G<br>TD FS- Turbo<br>TD 71 Turbo |
| <b>61156</b> | 422 320-2   | Intake<br>D100A, HD100A, TD100, THD100A, THD100E all,<br>TD101from engine-196869,<br>THD101, TD120, TD121, TD122, TD123<br>length: 82 mm                                                                |
| <b>81918</b> | 1 545 135-4 | Intake                                                                                                                                                                                                  |
| <b>61157</b> | 421 297-3   | TD103, THD103, THD104,<br>D10A, DH10A                                                                                                                                                                   |
| <b>81918</b> | 1 545 135-4 | Exhaust                                                                                                                                                                                                 |
| <b>61157</b> | 421 297-3   | D100A, HD100, TD100, THD100, TD101, THD101,<br>TD102, THD102, TD103, THD103, THD104,<br>TD120, TD121, TD122, TD123,<br>D10A, DH10A                                                                      |

## Valve seat ring

| dph-no. | OEM-no.     |                                                                                     | application                                                                                                                                                     |
|---------|-------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 61159   | 422 012-5   |    | Exhaust<br>D100A*, TD100A*, D100B*,<br>HD100A, HD100D, THD100A*, THD100D*<br>diam. 51, 101 – 51, 120 mm<br>height: 9,4 – 9,5 mm<br><br>*early production        |
| 81984   | 467 475-0   |    | Exhaust<br>TD100, THD100A, THD100D<br>late production<br>THD100E, TD101, THD101<br>early production<br>diam. 49, 054 – 49, 070 mm<br>height: 11,4 – 11,5 mm     |
| 61160   | 423 011-6   |    | Intake<br>TD120, TD121, TD122, TD123<br>diam. 59, 101 – 59, 120 mm<br>height: 6,7 mm                                                                            |
| 61158   | 422 011-7   |  | Intake<br>D100A/D100B/TD100A early production,<br>HD100A, HD100D, THD100A*, THD100D*<br>*early production<br>diam. 54, 101 – 54, 120 mm<br>height: 6,7 – 6,8 mm |
| 81917   | 1 545 886-2 |  | Exhaust<br>TD101, THD101 late production<br>TD102, THD102, TD103, THD104<br><br>diam. 49 mm<br>height: 9,5 mm                                                   |
| 81616   | 421 012-6   |  | Exhaust<br>D70A, D70B, TD70A, TD70B, TD70C<br><br>diam. 44, 074 – 44, 090 mm<br>height: 9,4 – 9,5 mm                                                            |
| 61161   | 468 448-6   |  | Exhaust<br>TD120, TD121, TD122, TD123<br><br>diam. 56, 579 – 56, 604 mm<br>height: 9,4 mm                                                                       |

## Valve seat ring

| dph-no.      | OEM-no.   | application                                                 |
|--------------|-----------|-------------------------------------------------------------|
| <b>81617</b> | 421 011-8 | Intake<br>D70, TD70, TD71<br><br>diam. 46, 074 – 46, 090 mm |



## Valve

| dph-no.                      | OEM-no.              | application                                                                                                                                                                           |
|------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>61152</b><br><b>81986</b> | 467 502<br>479 204   |                                                                                                                                                                                       |
| <b>61153</b>                 | 467 855              |                                                                                                                                                                                       |
| <b>61154</b>                 | 468 302              |                                                                                                                                                                                       |
| <b>61155</b>                 | 468 303              |                                                                                                                                                                                       |
| <b>109849</b>                | 469 240-6            |                                                                                                                                                                                       |
| <b>61152</b><br><b>81986</b> | 467 502-1<br>479 204 | Size: 49 x 11 x 167,3<br>Intake<br>THD 100 D Turbo                                                                                                                                    |
|                              |                      | Size: 50 x 11 x 167,2<br>Intake<br>TD 103 ES-turbo<br>TD100A, TD100B turbo<br>TD100F, TD100G turbo<br>THD100 E-turbo, TD 101F/G/GA<br>THD101K-turbo, THD102KF turbo, TD103 E/ES turbo |



## Valve

| dph-no. | OEM-no.   |                                                                                   | application                                                                                                                                                                            |
|---------|-----------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 61153   | 467 855-3 |  | Size: 46 x 11 x 167,2<br>Exhaust<br>TD 103 ES turbo<br>TD100A, TD100B turbo<br>TD100F, TD100G turbo<br>THD100 E-turbo, TD 101F/G/GA, THD101K-turbo<br>THD102KF turbo, TD103 E/ES turbo |
| 61154   | 468 302-5 |  | Size: 54 x 11 x 167,2<br>Intake<br>TD120 A turbo<br>TD102 C/E/F, TD120 turbo<br>TD121 F/G/GD, TD 121 turbo<br>TD122 F/FS                                                               |
| 61155   | 468 303-3 |  | Size: 50 x 11 x 167,2<br>Exhaust<br>TD120 A turbo<br>TD102 C/E/F, TD120 turbo<br>TD121 F/G/GD, TD 121 turbo<br>TD122 F/FS                                                              |
| 109844  | 1 547 492 |                                                                                   | Size: 40 x 8 x 192<br>Intake<br>D12 A 4V turbo<br>FH12<br>250-309 kW                                                                                                                   |
| 109845  | 8 148 574 |                                                                                   | Size: 40 x 8 x 191,7<br>Exhaust<br>TD120 A turbo<br>TD102 C/E/F, TD120 turbo<br>TD121 F/G/GD, TD 121 turbo<br>TD122 F/FS                                                               |
| 109846  | 1 556 472 |                                                                                   | Size: 47 x 9,5 x 176,8<br>Intake<br>TD162 F-turbo<br>TD163 ES, turbo<br>F16<br>D16A 4V turbo<br>FH 16                                                                                  |
| 109847  | 1 543 027 |                                                                                   | Size: 45 x 9,5 x 176,9<br>Exhaust<br>TD162 F-turbo<br>TD163 ES, turbo<br>F16<br>D16A 4V turbo<br>FH16                                                                                  |
| 109848  | 1 556 473 |                                                                                   |                                                                                                                                                                                        |

## ● Plug cylinder head

| dph-no. | OEM-no.   | application                                                                                                                                                                                                        |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48317   | 467 365-3 |  <p>D100, HD100, TD100, THD100, TD101, THD101, TD102, THD102, TD103, THD103, THD104, TD120, TD121, TD122, TD123</p> <p>1 1/2"</p> |

## ● Plug cylinder head, cylinder block

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 70023   | 467 367-9 |  <p>For cylinder head:<br/>D50, TD50, D60, TD60, D70, TD70</p> <p>For cylinder block:<br/>D50, TD50, D60, TD60-63, D70, TD70, 73, D100, HD100, TD100, THD100, TD101, THD101, TD102, THD102, TD103, THD103-04, D16A, TD120-23, TD162-163</p> <p>1 3/4"</p> |

## ● Plug gasket

| dph-no. | OEM-no.   | application                                                                                                                                            |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 49002   | 469 327-1 |  <p>For plug 467 365-3, 1 1/2"</p> <p>For plug 467 367-9, 1 3/4"</p> |
| 49003   | 469 328-9 |                                                                                                                                                        |

## ● Strainer oil pump

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                     |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48688   | 414 621-3 |  <p>D50A, B, TD50A, B, D60A, TD60 early production</p> <p>D70A, D70B, TD70A, TD70E, TD70H, TD70HA, D100A, D100B, TD100A, TD100B, TD100BG, TD100C, HD100A, HD100D, THD100D, THD100DA, THD100DB, THD100DC, THD100DD, TD120</p> |

## ● Injector sleeve

| dph-no. | OEM-no.   | application                                                                                                                       |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------|
| 36196   | 465 547-8 |  <p>D50A, D50B, TD50A, TD50B, D60A, TD60A</p>  |
| 36197   | 466 284-7 |                                                                                                                                   |
|         |           |  <p>D70A, D70B, TD70A, TD70E, TD70C, TD70D</p> |

## ● Injector sleeve

| dph-no. | OEM-no.   |                                                                                     | application                                                                                         |
|---------|-----------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 36248   | 467 417-2 |    | D100A, D100B, TD100A, TD100B, TD100BG, TD100C, HD100A, HD100D, THD100A, THD100D, THD100DA, THD100DD |
| 36249   | 468 263-9 |    | TD120A, TD120C, TD120E, TD120D                                                                      |
| 50325   | 479 163-8 |    |                                                                                                     |
| 69199   | 468 784-4 |   |                                                                                                     |
| 51289   | 470 247-8 |  |                                                                                                     |
| 50351   | 466 403-3 |  |                                                                                                     |
| 4295    | 466 404-1 |  |                                                                                                     |

## Injector sleeve kit

| dph-no.      | OEM-no.   | application                                                                                                                                                                                                                             |
|--------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>36250</b> | 270 575-4 |  TD60B, TD60C, TD61F, TD61FB, TD61FBQ, TD61FHQ, TD61G, TD61GA, TD61GC, TD61GE, TD61GS, TD63E, TD63ES                                                   |
| <b>81842</b> | 276 130-2 |  TD70F, TD70FC, TD70FS, TD70G, TD70H, TD70HA, TD71F, TD71FA, TD71FAQ, TD71FC, TD71FCQ, TD71FD, TD71FQ, TD71FS, TD71FSQ, TD71G, TD73E, TD73ES, D7A, D7B |
| <b>36252</b> | 270 946-7 |  TD100G, TD100GA, THD100E, TD101, THD101, TD102, THD102, TD103, THD103, THD104, D10A, DH10A                                                            |
| <b>36253</b> | 273 822-7 |  TD120F, TD120FA, TD120FC, TD120G, TD120GA<br><br>up to engine -63804                                                                                 |
| <b>36254</b> | 273 983-7 |  TD120F, TD120FA, TD120FC, TD120G, TD120GA from engine 63805-,<br><br>TD121, TD122, TD123                                                            |

## Injector seal

| dph-no.      | OEM-no.   | application                                                                                                                                                                                                                                                                                                              |
|--------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>37597</b> | 468 210-0 |  TD120A, TD120C, TD120D, TD120E                                                                                                                                                                                                       |
| <b>35811</b> | 469 205-9 |  D50A, D50B, TD50A, TD50B, D60A, TD60A, D70A, D70B, TD70A, TD70B, TD70C, TD70D, TD70E, D100A, D100B, TD100A, TD100B, TD100BG, TD100C, HD100A, HD100D, THD100D, THD100DA, THD100DB, THD100DC, THD100DD, TD120A, TD120C, TD120D, TD120E |

## Injector seal

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                     |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36294   | 469 455-0 |  TD60B, TD60C, TD61, TD63, TD70F, TD70FC, TD70FS, TD70G, TD71, TD73, TD100G, TD100GA, TD101, THD101, TD102, THD102, TD103, THD103, THD104, TD120F, TD120FA, TD120FB, TD120FC, TD120G, TD120GA, TD121, TD12, TD123, D6A, D7A, D7B, D10A, DH10A  |
| 37549   | 466 405-8 |  TD60B, TD60C, TD61, TD63, TD70F, TD70FC, TD70FS, TD70G, TD71, TD73, TH100G, TD100GA, TD101, THD101, TD102, THD102, TD103, THD103, THD104, TD120F, TD120FA, TD120FB, TD120FC, TD120G, TD120GA, TD121, TD122, TD123, D6A, D7A, D7B, D10A, DH10A |

## Thermostat

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                          |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 81010   | 8 149 182-1 |  82°C<br>TD 61, TD63<br>TD70F, TD70FC, TD70FS, TD71, TD73, TD101, TD102, TD103, THD101, THD102, THD103, THD104, TD 121, TD122, TD123<br>D6A, D7A, D7B, D10A, DH10A |
| 81011   | 1 676 306   |                                                                                                                                                                                                                                                      |

## Oil seal injection pump driving unit

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                            |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37061   | 424 580-9 |  D70*, TD70*<br>*not for F86, FB86, F87, N86, NB86 with injection pump of rotary type,<br>TD71, D100, TD100, HD100, THD100, TD101, THD101, TD102, THD102, TD103, TD120, TD121<br>TD122 excl.TD122FS with electronic diesel control<br>Size: 29x50x10/7 ACM AW/BS LD |

## Oil pump repair kit

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                    |
|---------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36303   | 276 155-9 |  TD60A from engine 23298-, TD60B, C, D70A, B, TD70A-E, H, HA, D100A, B, TD100A, B, BG, C, G, GA, TD101F, FA, FC, FD, G, GA, GB<br>Not for trucks with MR61 or MR62B gearbox |
| 36305   | 275 731   |  F12, N12 (CH 306000 -), B12                                                                                                                                                |

## Oil pump repair kit

| dph-no. | OEM-no. | application                                   |
|---------|---------|-----------------------------------------------|
| 82952   | 276 156 | F12 (- CH 34000), F12 (- CH 12000), F89 - G89 |



## Repair kit (engine)

| dph-no. | OEM-no.   | application |
|---------|-----------|-------------|
| 97864   | 151 835-6 | Bendix 15,5 |
| 82820   | 1 080 437 | Bendix 15,5 |
| 82821   | 1 190 395 |             |
| 82822   | 1 508 996 |             |
| 82823   | 1 518 358 |             |
| 82824   | 1 518 359 |             |








## Repair kit (engine)

| dph-no. | OEM-no.   | application        |
|---------|-----------|--------------------|
| 82825   | 1 518 360 | Bendix 15,5        |
| 82826   | 1 590 264 | Bendix 15,5 2W440D |
| 82827   | 1 594 266 | Tuflo 600/700      |
| 82828   | 1 599 919 |                    |
| 82830   | 1 612 335 | Bendix 15,5        |
| 82829   | 1 611 815 | Tuflo 600/700      |
| 82930   | 1 620 462 |                    |

## Repair kit (engine)

| dph-no. | OEM-no.   | application     |
|---------|-----------|-----------------|
| 82831   | 1 696 123 | Piston ring kit |
| 94387   | 1 696 124 | Piston ring kit |
| 94068   | 244 830-6 |                 |
| 94946   | 270 488   |                 |
| 94531   | 270 549   |                 |
| 81381   | 270 909   |                 |
| 81932   | 271 252   | Bendix 02/05    |

## Repair kit (engine)

| dph-no. | OEM-no.   | application                                                                                                     |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------|
| 84670   | 271 526-6 |                                |
| 81383   | 1 697 318 |                                                                                                                 |
| 81934   | 272 574   |                                |
| 81935   | 272 575   |                                |
| 81936   | 272 576   | Bendix RG-1DC relay valve<br> |
| 81938   | 272 623   | Bendix<br>                   |
| 81939   | 272 624   | Bendix<br>                   |
| 81940   | 272 625   |                              |

## Repair kit (engine)

| dph-no. | OEM-no. | application                                                                                 |
|---------|---------|---------------------------------------------------------------------------------------------|
| 81941   | 272 626 |            |
| 82812   | 272 631 | Bendix<br> |
| 94400   | 272 632 |            |
| 81943   | 272 660 |           |
| 81385   | 272 709 |          |
| 81947   | 272 726 |          |
| 81389   | 272 730 |          |

## Repair kit (engine)

| dph-no. | OEM-no. |                                                                                     | application                |
|---------|---------|-------------------------------------------------------------------------------------|----------------------------|
| 81386   | 272 801 |    |                            |
| 81948   | 272 808 |    |                            |
| 81391   | 272 864 |    | Bendix 02/05               |
| 70387   | 272 866 |   | Wabco service kit          |
| 81408   | 272 878 |  | Bendix Tuflo 501           |
| 70388   | 272 884 |  | Wabco Service kit          |
| 81951   | 272 896 |  | Repair kit ring kit Bendix |

## Repair kit (engine)

| dph-no. | OEM-no.   | application      |
|---------|-----------|------------------|
| 94629   | 273 375   | Repair kit       |
| 94628   | 273 706   |                  |
| 95657   | 274 104   |                  |
| 94532   | 274 105   |                  |
| 95533   | 274 106   |                  |
| 36304   | 275 715-1 | Oil pump         |
| 81410   | 276 543   | Bendix Tuflo 500 |

## Repair kit (engine)

| dph-no. | OEM-no.   | application     |
|---------|-----------|-----------------|
| 81401   | 3 090 288 | Wabco 03        |
| 96287   | 3 090 377 |                 |
| 96286   | 3 090 379 | Reed valve kit  |
| 96290   | 3 090 388 | Piston ring kit |
| 96281   | 3 094 155 | Bendix          |
| 96283   | 3 094 156 | Bendix          |
| 94605   | 3 097 147 |                 |

## Repair kit (engine)

| dph-no. | OEM-no. | application                                                                       |
|---------|---------|-----------------------------------------------------------------------------------|
| 82813   | 328 752 |  |

## Steel ring injector sleeve

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                             |
|---------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36306   | 466 420-7 |  <p>TD60B, TD60C, TD61, TD63,<br/>TD70F, TD70FC, TD70FS, TD70G, TD71, TD73,<br/>TD100G, TD100GA, THD100E, TD101, THD101, TD102,<br/>THD102, TD103, THD103, THD104,<br/>TD120F, TD120FA, TD120FB, TD120FC, TD120G,<br/>TD120GA, TD121, TD122, TD123,<br/>D6A, D7A, D7B, D10A, DH10A</p> |

## Cylinder liner adjusting shim

| dph-no.    | OEM-no.   | application                                                                                                                                                                                                              |
|------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36289 *    | 422 619-7 | <br>D100, HD100, TD100, THD100, TD101, THD101, TD102,<br>THD102, TD103, THD103, THD104, D10A, DH10A<br>*0,20 mm, **0,30 mm, ***0,50 mm |
| 36971 **   | 422 620-5 |                                                                                                                                                                                                                          |
| 36290 ***  | 422 621-3 |                                                                                                                                                                                                                          |
| 37555 *    | 466 878-6 | <br>D70, TD70, TD71, TD73<br>*0,12 mm, **0,20 mm, ***0,30 mm, ****0,50 mm                                                             |
| 36282 **   | 466 114-6 |                                                                                                                                                                                                                          |
| 36283 ***  | 466 183-1 |                                                                                                                                                                                                                          |
| 36284 **** | 466 184-9 |                                                                                                                                                                                                                          |
| 36287 *    | 465 394-5 | <br>D60, TD60, TD61, TD63<br>*0,20 mm, **0,30 mm, ***0,50 mm                                                                          |
| 37556 **   | 465 395-2 |                                                                                                                                                                                                                          |
| 36288 ***  | 465 396-0 |                                                                                                                                                                                                                          |
| 36285 *    | 468 271-2 | <br>TD120, TD121, TD122, TD123<br>*0,20mm, **0,30mm, ***0,50 mm                                                                       |
| 36286 **   | 468 272-0 |                                                                                                                                                                                                                          |
| 36309 ***  | 468 273-8 |                                                                                                                                                                                                                          |

## O-ring injector sleeve

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                          |
|---------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36298   | 466 922-2 |  <p>TD60B, TD60C, TD61, TD63,<br/>TD70F, TD70FC, TD70FS, TD70G, TD70H, TD70HA,<br/>TD71, TD73,<br/>TD120F*, TD120FA*, TD120FB*, TD120FC*,<br/>TD120G*, TD120GA*,<br/>D6A, D7A, D7B<br/>*up to engine no. -63804</p> |

## Washers



| dph-no.      | OEM-no.   | application                           |
|--------------|-----------|---------------------------------------|
| <b>95337</b> | 240 017-4 | Size: 24x29x2 CU                      |
| <b>37854</b> | 418 360-4 | Size: 12x16,7x4 NBR<br>for oil filter |
| <b>69636</b> | 418 411-5 | Size: 15x19,8x4 NBR<br>water pump     |
| <b>37862</b> | 418 412-3 | Size: 20x25x4 NBR<br>engine           |
| <b>83873</b> | 942 580-2 | Size: 8x13x1,5 ALU                    |
| <b>81990</b> | 947 620-1 | Size: 8x12x1 CU                       |
| <b>81991</b> | 947 622   | Size: 16x20x1,5 CU                    |
| <b>34792</b> | 957 187   | Size: 24x29x2 ALU                     |
| <b>97191</b> | 977 751   | Size: 18x24x1,5 CU                    |
| <b>51883</b> | 421 158-7 | Size: 29X35X5 NBR                     |
| <b>48408</b> | 423 281-5 | Size: 27x32x3,7 NBR<br>EPL 281        |
| <b>48407</b> | 469 477-4 | Size: 24,8x29,6x3,05 FPM              |
| <b>61628</b> | 469 479-0 | Size: 22,5x28,5x3 NBR                 |
| <b>61627</b> | 469 481-6 | Size: 44,4x50,5x3 NBR                 |

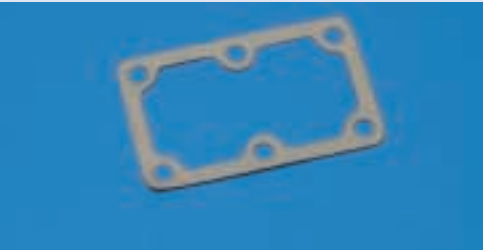
## Washers

| dph-no.      | OEM-no.   | application                       |
|--------------|-----------|-----------------------------------|
| <b>69836</b> | 469 482-4 | Size: 22x28x3 FPM                 |
| <b>69863</b> | 469 606-8 | Size: 50x56x3,7 FPM               |
| <b>50948</b> | 469 846-0 | Size: 17x23x3 FPM                 |
| <b>69922</b> | 469 952-6 | Size: 27x33,5x3 FPM               |
| <b>69818</b> | 470 383-1 | Size: 25x33,5x5,1 NBR             |
| <b>84367</b> | 471 626-2 | Size: 19x27,7x7,40 FPM            |
| <b>69913</b> | 471 856-5 | Size: 14,5x20x3 FPM               |
| <b>94042</b> | 1 526 181 | Size: 28x35x5,5 NBR<br>Abstreifer |

## Gasket

| dph-no. | OEM-no.     |                                                                                     | application         |
|---------|-------------|-------------------------------------------------------------------------------------|---------------------|
| 97861   | 151 837-2   |    | Valve plate         |
| 94323   | 1 542 780-0 |    | Rubber              |
| 82906   | 1 610 078-6 |    |                     |
| 94554   | 1 655 638   |   | 80x70x4,3 green NBR |
| 95278   | 1 655 778   |  |                     |
| 95279   | 1 655 780-3 |  |                     |
| 95276   | 267 386-1   |  |                     |

## Gasket

| dph-no. | OEM-no.   |                                                                                     | application  |
|---------|-----------|-------------------------------------------------------------------------------------|--------------|
| 93363   | 341 488-5 |    |              |
| 69757   | 382 010-7 |    |              |
| 95277   | 382 055   |    |              |
| 37449   | 420 160   |   | EPL 160      |
| 50587   | 420 618-1 |  | Turbo loader |
| 51369   | 420 641-3 |  | EPL 641      |
| 50327   | 420 642-1 |  | Epl 642      |

## Gasket

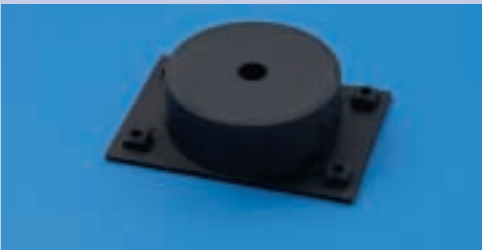
| dph-no. | OEM-no.   |                                                                                     | application         |
|---------|-----------|-------------------------------------------------------------------------------------|---------------------|
| 69905   | 422 779-9 |    | EPL 779             |
| 51233   | 424 618-7 |    | EPL 618             |
| 36276   | 465 551-7 |    |                     |
| 50507   | 470 939-0 |   | Turbo loader        |
| 50508   | 470 993-7 |  | EPL 993             |
| 4356    | 478 074-8 |  | VC 074<br>Valve cap |
|         |           |                                                                                     |                     |

## Gasket

| dph-no.      | OEM-no.     |                                                                                   | application                    |
|--------------|-------------|-----------------------------------------------------------------------------------|--------------------------------|
| <b>80909</b> | 1 526 525-9 |  |                                |
| <b>35655</b> | 468 582-1   |  | 138x143x11 NBR<br>liner gasket |
| <b>94555</b> | 1 526 439   |                                                                                   | Size: 60x80x2 NBR              |
| <b>50617</b> | 1 542 781-8 |                                                                                   | Size: 61x66,4x6 MVQ            |

# Rubber cushions for engine, exhaust systems and gearbox

## Rubber cushion front engine mount

| dph-no. | OEM-no.     |                                                                                    | application                                                                                                                                                                                                                              |
|---------|-------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36307   | 1 623 745-5 |   | F7, F10, F12, F16, N7,<br>N10 up to chassis No-49000,<br>N10 USA with engine TD100C<br>N10 BR MK2 up to chassis No..-604497,<br>N12 up to chassis No -12000,<br>N12 BR MK2 up to chassis No..-604497<br><br>Upper cushion                |
| 36308   | 1 503 490-3 |   | F7, F10, F12, F16, N7,<br>N10 up to chassis No..-49000,<br>N10 USA with engine TD100C<br>N10 BR MK2 up to chassis No -604497,<br>N12 up to chassis No.-12000,<br>N12 BR MK2 up to chassis No. -604497<br><br>Lower cushion               |
| 48217   | 1 611 420-9 |  | N10 from chassis No..49001-<br>N10 USA with engine TD101GB<br>N10 BR MK2 from chassis No..604498-<br>NL10 Australia, NL10 BR, NL10S<br>N12 from chassis No.12001-<br>N12 BR MK2 from chassis No.604498-<br>NL12 Australia, NL12BR, NL12S |

## Rubber cushion exhaust system

| dph-no. | OEM-no.     |                                                                                     | application                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|-------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46782   | 6 850 149-3 |  | F82-84, F86, FB86, F87-88, FB88, F89, G89, F4, F6, F6S,<br>F7, F10, F12, N84, N86, NB86, N88, NB88, N7, N10,<br>N10BR MK2, NL10BR, N12, N12BR MK2, NL12BR, B54-55,<br>B57, BB57, B58, B58BR, B59, B6, B7F, FA, B9M, B10B,<br>B10L, B10M, B10MBR, B10R, B12, B12BR, C10M<br>for radiator and fan mounting to: B58BR, B59, B7ch.30000-<br>B9M, B10B, B10MBR, B10R<br>for alternator mounting to: B9M, B10M, B10MBR thread M12 |

## Rubber cushion rear engine mount

| dph-no. | OEM-no.     |                                                                                     | application                                                                                                                                    |
|---------|-------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 81618   | 1 573 891-7 |  | F10, F12<br>N12 chassis 31104-, N10BR MK2,<br>NL10 Australia, NL10BR, NL10S,<br>N12 chassis 5551-, N12BR MK2,<br>NL12 Australia, NL12BR, NL12S |

## Motor rubber cushion

| dph-no. | OEM-no.   | application      |
|---------|-----------|------------------|
| 94607   | 1 586 316 | Gearbox mounting |
|         |           |                  |
| 94606   | 1 605 093 |                  |



# Clutch, gearbox

## Gearbox gasket set

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                 |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36296   | 270 824-6 |  <p>F6S, FL616-619, F7, FE7, FL7, N7</p> <p>for gearboxes:<br/>R52 u. R52B</p>                                                             |
| 36295   | 270 823-8 |  <p>F7, FL7, F10, FL10, F12, N7,<br/>N10, N10BR MK2, N12, N12BR MK2</p> <p>for gearboxes:<br/>R61, SR61, R62, MR62, MR62BSR62,<br/>R63</p> |

## Oil seal gearbox input shaft

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 70270   | 267 316-8 |  <p>F86, FB86, F87, F6S,<br/>FL616-619, F7, FE7, FL7, N7</p> <p>for gearboxes: R50-52, R52B</p> <p>also for power take-off to following types:<br/>F88, FB88, F89, G89, F7, FL7,<br/>F10, FL10, F12, N7, N10,<br/>N10BR MK2, N12, N12BR MK2</p> <p>Size: 60x80x8/9,5 FPM BS</p>                                                                                                                              |
| 35804   | 267 268-1 |  <p>F86, FB86, F87-88, FB88, F89, G89, FL616-619, F7, FE7,<br/>FL7, FS7, F10, FL10, F12, F16, N88, NB88, N7, N10,<br/>N10BR MK2, NL10 Australia, NL10BR, NL10S, N12, N12BR<br/>MK2, NL12 Australia, NI2 BR, NL12S</p> <p>for gearboxes: R60-61, SR61, MR62, MR62B, R62, SR62,<br/>R1000, R1400, SR1400, R1700, SR1700, SR2000</p> <p>B9M, B10M with gearbox: G7-EGS</p> <p>Size: 64,9x90x10 FPM BS LA RD</p> |
| 35805   | 267 269-9 |  <p>F86, FB86, F87, F88*, FB88*, FB89*, G89*, F6S,<br/>FL616-619, F7, FE7, FL7, F10, F12, N88, NB88, N7, N10,<br/>N10BR MK2, N12, N12BR MK2</p> <p>for gearboxes:<br/>R50-52, R52B, R60, MR61, R61, MR62,<br/>MR62B, R62, SR62, R63</p> <p>*also for transfer gearbox input shaft</p> <p>Size: 80x100x10 FPM BS LA LD</p>                                                                                    |

## Oil seal

| dph-no. | OEM-no.     |                                                                                     | application                              |
|---------|-------------|-------------------------------------------------------------------------------------|------------------------------------------|
| 95880   | 1 526 828-7 |    | Size: 105x130x12/9,5<br>AB/BS LD ACM dph |
| 108799  | 6 876 127-9 |    | Size: 48x65x10 B NBR                     |
| 95881   | 6 876 126-1 |    | Size: 48x69x10 B RD FPM                  |
| 94046   | 943 741-9   |  | Size: 26,3x36,2x7,3 AS NBR blue dph      |
| 108800  | 947 705     |  | Size: 15x21x5 BS NBR                     |
| 70465   | 192 600-5   |  | Size: 70x90x10 B NBR<br>Gearbox          |

## Clutch servo cylinder

| dph-no. | OEM-no.     |                                                                                     | application                                                                                                                                                                                                                                                                                                                                                            |
|---------|-------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 80538   | 1 655 639-1 |  | F86, FB86, F87, F89, G89, F6S, FE6, FL608-615, FL616-619, F7, FE7, FL7, FS7, F10, F12*, N7, N10, N10BR MK2, NL10 Australia, NL10BR, NL10S, N12, N12BR MK2, NL12 Australia, NL12BR, NL12S, B57, BB57, B58, B58BR, B6, B7 ch.-29999, B7F, B7FA, B9+10M**, B10R, C10M<br>*not for single disc clutch from ch.314000-<br>**for gearboxes: S6-80/85/90 and G7-EGS ch.-25462 |

## Clutch servo cylinder

| dph-no. | OEM-no.     | application                                                                                                                                        |
|---------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 81155   | 1 668 501-8 |  <p>F12 (CH 314000 -), F16, B10 (CH 20001 -), B12, FH12, FH16</p> |
| 95521   | 1 655 435   |                                                                                                                                                    |

## Repair kit clutch master cylinder

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                               |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48857   | 276 546-9 |  <p>N7 up to chassis No.:6567, Australia-530095, N10 up to chassis No.:21719, Australia -540191, N12 up to chassis No.:3232, Australia -550077, F88, FB88, G88, F89, G89, B57*, BB57</p> <p>*RHD with gearbox K191<br/>manuel 5-speed</p>                                                |
| 4381    | 273 660-1 |  <p>FL7, F10, FL10, F12, N7 ch.6568-, Australia ch.530096- N10 ch.21720-, N10BR MK2, Australia ch.540192-, N12 ch.3233-, N12BR MK2, Australia ch.550078-, B57*, BB57*, B58, B58BR, B7FB7FA, B9M, B10M, B10MBR, B10R, C10M<br/>early version</p> <p>*excl. gearbox K191</p>              |
| 46717   | 271 106-7 |  <p>FL7, FS7, F10, FL10, F12, F16, N7, N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12, N12BR MK2, NL12Australia, NL12BR, NL12S, B57, BB57, B58, B58BR, B9M, B10B, BLE, M, MBR, R, B12, B12BR<br/>late version<br/>for clutch master cylinder ref.No.:<br/>1620462-0 u.1669488-7</p> |

## Repair kit clutch servo

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4396    | 273 632-0 |  <p>F86, FB86, F87-88, FB88, G88, F89, G89, N88, NB88, N7, N10, N12</p> <p>for servo cylinder type: Clayton</p>                                                                                                                                                                                                                                                                                               |
| 36050   | 271 194-3 |  <p>F86, FB86, F87, F89, G89, F6S, FE6, FL608-615, FL616-619, F7, FE7, FL7, FS7, F10, F12*, N7, N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12, N12BR MK2, NL12Australia, NL12BR, NL12S, B57, BB57, B58, B58BR, B6, B7*, B7F, B7FA, B9M*, B10M*, B10MBR, B10R, C10M<br/>for servo- cylinder type: Volvo-Kongsberg<br/>*not for servo- cylinder type Ref: 1655435-4 **u.1668501-8**<br/>** late version</p> |

## Repair kit clutch servo

| dph-no.                                                                           | OEM-no.   | application   |
|-----------------------------------------------------------------------------------|-----------|---------------|
| 81929                                                                             | 270 586-1 | For DPH 81155 |
|  |           |               |

## Repair kit gearbox control cylinder

| dph-no.                                                                            | OEM-no.   | application                                                                                                                      |
|------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| 36048                                                                              | 273 081-0 | F86, FB86, F87-88, FB88, F89, G89, F6S, F7, N86, NB86, N88, NB88, N7, N10, N12<br>for gearbox:<br>R50-52, R60-61, SR61           |
|   |           |                                                                                                                                  |
| 36049                                                                              | 276 146-8 | F6S, FL616-69, F7, FL7, F10, FL10, F12, N7, N10, N10BR MK2, N12, N12BR MK2,<br>for gearbox:<br>R52B, MR62, MR62B, R62, SR62, R63 |
|  |           |                                                                                                                                  |

## Repair kit gearbox inhibitor valve

| dph-no.                                                                             | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36046                                                                               | 273 082-8 | F86, FB86, F87-88, FB88, G88, F89, G89, F6S, F7, F10, F12, N86, NB86, N88, NB88, N7, N10, N10BR MK2, N12<br>for gearbox: R50-51, R52*, R52B*, R60, MR61, R61, MR62B*, R62*, SR62*, SR63*<br>*from gearbox: R52-22773, R52B-3672, R62-27350, MR62B, SR62-44215 LHD/v-styrd, excl. 41172-41639<br>MR62B, SR62-51496 RHD/h-styrd,<br>SR62F12-41171 LHD/v-styrd, incl. 41640-42215 |
|  |           |                                                                                                                                                                                                                                                                                                                                                                                |
| 61170                                                                               | 276 335-7 | F6S, FL616-619, F7, FE7, FL7, F10, FL10, F12, N7, N10, N10BR MK2, N12, N12BR MK2<br>for gearbox: R52, R52B, MR62B, R62, SR62<br>from gearbox: R52 22774-, R52B 3673, R62 27351-, MR62B, SR62 44216-LHD/v-styrd<br>incl. 41172-41639, MR62B, SR62 51497-RHD/h-styrd,<br>SR62 F12 41172-, excl. 41640-42215                                                                      |
|  |           |                                                                                                                                                                                                                                                                                                                                                                                |
| 46783                                                                               | 276 108-8 | FL616-619, FE7, FL7, FS7, F10 from chassis No 25001-, F12 from chassis No 34001-, N10 from chassis No 306000-, N10BR MK2, FL10, FL16, NL10 Australia, NL10BR, NL10S, N12 from chassis No 306000-, NL12 Australia, NL12S<br>for gearbox: R1000, R1400, SR1400, R1700, SR1700, SR2000                                                                                            |
|  |           |                                                                                                                                                                                                                                                                                                                                                                                |

## Repair kit split cylinder

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                   |
|---------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 51553   | 273 665-0 |  <p>F88, FB88, G88, F89, G89, F7, FL7, F10, FL10, F12, N7, N10, N10BR MK2, N12, N12BR MK2</p> <p>for gearbox:<br/>SR62, SR70, SR71</p>                                                                                                                                                       |
| 46718   | 270 925-1 |  <p>FL7, FS7, FL10, FH12, F10 chassis No 25001-, F12 chassis No 34001-, N10 chassis No 306000-, N10BR MK2, NL10Australia, NL10BR, S N12 chassis No 306000-, N12BR MK2, N12 Australia, NL12BR, NL12S</p> <p>for gearbox:<br/>SR1400, SR1700, SR1900, SR1700 Geartronic, SR1900 Geartronic</p> |

## Repair kit range cylinder

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46719   | 270 926-9 |  <p>FL616-619, FE7, FL7, FS7, F10, FL10, F12, FH12, N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12, N12BR MK2, NL12Australia, NL12BR, NL12S, B9M, B10B, B10M, B12</p> <p>early production</p> <p>for gearbox: R1000 b.Getr.Nr.-11842, R1400-27186, SR1400-27286, R1700-9336, SR1700-63971, SR1700 Geartronic -64825, SR1900-457, G7EGS</p> |

## Repair kit (for cover to split cylinder and range cylinder)

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 98283   | 3 094 518-2 |  <p>FL616-619, FE7, FL7, FS7, F10, FL10, F12, FH12, F16, FH16, N10, N10BR MK2, NL10 Australia, NL10S, N12, NL12 Australia, NL12S, B9M, B10M</p> <p>for gearbox: R1000, R1400, SR1400, R1700, SR1700, SR1900, SR2000, SRO2400</p> <p>also for split cylinder relay valve (MECMAN):<br/>F7, FL7, F10, FL10, F12, F16, N7, N10, NL10BR, N10BR MK2, N12, N12BR MK2, NL12Australia</p> |

## O-Ring cover range cylinder

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                             |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 50323   | 967 344-3 |  <p>FL616-619, FE7, FL7, FS7, F10, FL10, F12, FH12, N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12, NL12 Australia, NL12S, B7, B10B, B9M, B10M, B12, B12BR,</p> <p>for gearbox:<br/>R1000, R1400, SR1400, R1700, SR1700, SR1900, G7EGS, G8MGS</p> |

## Support bearing kit propeller shaft

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                                 |
|---------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36311   | 1 696 389-4 |  <p>F6, F6S, FE6, FL608-615, FL616-619, F7, FE7, FL7, F10, FL10, F12, N7, N10, NL10BR MK2, NL10Australia, NL10BR, NL10S, N12, N12BR MK2, NL12BR, B57, BB57, B58BR, B7, B7F, B7FA, B9M, B10M, B10MBR</p> <p>Bearing inner diam. 60 mm</p> |

## Support bearing kit propeller shaft

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                     |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36312   | 263 567-0 |  <p>FL7, F10, FL10, F12, FH12, F16, FH16, N10, NL10Australia, NL10S, N12, N12BR MK2, NL12Australia, NL12S</p> <p>Bearing inner diam. 70 mm</p> |

## Repair kit air dryer

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37287   | 272 760-0 |  <p>F6S, F7, FL7, FL10, F16<br/>F10 fr.chassis No.25001-, F12 fr.chassis No.34001-, N7 fr.chassis No.12001-, N10 fr.chassis No.49001-, NL10Australia, NL10S, N12 fr.chassis No 12001-, NL12Australia<br/>NL12S, B58, B58BR, B6 splc S-6915<br/>B9M, B10M: up to chassis No. -20000<br/>B10MBR, B10R for BENDIX air dryers</p> |
| 36313   | 270 694-3 |  <p>FL7,<br/>F10 fr.chassis No.25001-,<br/>F12 fr.chassis No.34001-, F16<br/>B9M/B10M<br/>chassis No.20001-39999<br/>2 kits required<br/>for WABCO air dryers</p>                                                                                                                                                            |

## Gasket for oil filter

| dph-no. | OEM-no.   | application                                                                                                                           |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------|
| 69816   | 382 361-4 |  <p>For oil filter 382353-1 (not in our range)</p> |

## Seal ring

| dph-no. | OEM-no.     | application                                                                                                                         |
|---------|-------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 95883   | 1 526 817-0 |  <p>25x49,7x10,50/15 SP FPM<br/>rubber metal</p> |
| 50509   | 925 068-9   |  <p>42x3 NBR<br/>OR 068</p>                      |

## Seal ring

| dph-no. | OEM-no.     |                                                                                   | application                |
|---------|-------------|-----------------------------------------------------------------------------------|----------------------------|
| 70234   | 949 722-3   |  | 36,2x3 FPM green<br>OR 722 |
| 70054   | 1 526 474-0 |  | 17,3x2,4 NBR<br>OR 6474    |

# Brake parts

## Repair kit air dryer drain valve

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                      |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 81394   | 272 721-2 |  <p>F6S, F7, FL7, FL10, F16, F10 fr.chassis No.25001-, F12 fr.chassis No.34001-, N7 fr.chassis No.12001-, N10 fr.chassis No.49001-, NL10Australia, NL10S, N12 fr.chassis No.12001-, NL12Australia, NL12S, B58, B58BR, B6-spcl S-6915, B9M/B10M up to chassis No...20000, B10MBR, B10R for BENDIX air dryers</p> |

## Diaphragm brake cylinder

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                                                   |
|---------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46784   | 1 614 797-7 |  <p>F86, FB86, F87-88, FB88, G88, F89, G89, FL4, FL608-615, F7, FL7, F10, FL10, F12, F16, N84, N86, NB86, N88, NB88, N7, N10, N10BR MK2, NL10S, N12, NL12S, B59, B12, B12BR diaphragm type 20</p>                                                                                           |
| 46785   | 1 614 798-5 |  <p>F86, FB86, F87-88, FB88, G88, F89, G89, F7, FL7, F10, FL10, F12, F16, N86, NB86, N88, NB88, N7, N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12, N12BR MK2, NL12Australia, NL12BR, NL12S, B57, BB57, B58, B58BR, B59, B7, B7F, B7FA, B9M, B10M, MBR, 10R, C10M diaphragm type 24</p> |
| 46786   | 1 614 799-3 |  <p>F6USA, FE6, F7, FE7, FL7, F10, FL10, F12, FH12, F16, FH16, N7, N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12, N12BR MK2, NL12Australia, NL12BR, NL12S, B57, BB57, B58, B58BR, B59, B7, B7F, B7FA, B10B, B10L, B9M, B10M, B10MBR, B10R, B12, C10M diaphragm type 30</p>             |
| 69212   | 353 314     |  <p>T9 - Ø 128</p>                                                                                                                                                                                                                                                                         |
| 69214   | 325 197     |  <p>T12 - Ø 139</p>                                                                                                                                                                                                                                                                        |

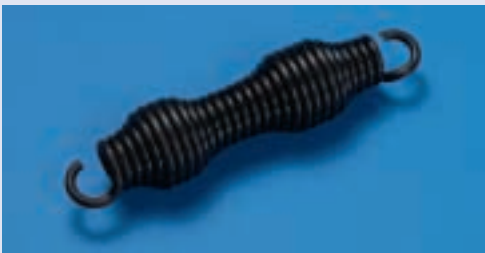
## Diaphragm brake cylinder

| dph-no. | OEM-no.   |                                                                                   | application |
|---------|-----------|-----------------------------------------------------------------------------------|-------------|
| 69216   | 1 614 796 |  | T16 - Ø 156 |
| 69222   | 1 518 741 |  | T36 - Ø 224 |

## O-Ring anchor pin

| dph-no. | OEM-no.   |                                                                                     | application                                                                                                                                                                       |
|---------|-----------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 70230   | 941 705-6 |   | F85-86, FB86, F87-88, G88, F89, G89, F7, F10, F12, N84, N86, NB86, N88, NB88, N7, N10, N12, B57, BB57, B58, B58BR, B59, B9M, B10M, B10R<br>dimension: 29,5x2,3 mm                 |
| 61105   | 969 219-5 |  | B57, BB57, B58, B58BR, B59, B7 ch.30000-, B7F, B7FA, B9M, B10B, B10M, B10R, C10M<br>dimension: 24,7x1,7 mm                                                                        |
| 48076   | 969 220-3 |  | F7, F10, F12, N7, N10, N10BR MK2, NL10BR, N12, N12BR MK2, NL12BR, B57, BB57, B58, B58BR, B7 ch.30000-, B7F, B7FA, B9M, B10B, B10M, B10MBR, B10R, C10M<br>dimension: 29,75x3,53 mm |

## Tension spring brake shoe S-cam

| dph-no. | OEM-no.   |                                                                                     | application                                                                                                                         |
|---------|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 46733   | 346 499-7 |  | F85, F7, F10, F12, N84, N7, N10, N10BR MK2, NL10BR, N12, N12BR MK2, NL12BR, B58BR, B7 ch.30000-, B7F, B7FA, B9M, B10MBR, B10R, C10M |

## Return spring Z-cam

| dph-no.      | OEM-no.     | application                                                                                                                                   |
|--------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>46793</b> | 3 097 092-5 | FL7, F10, FL10, F12, FH12, F16, FH16, N10, NL10Australia, NL10S, N12, NL12Australia, NL12S, B7 ch.20000-29999, B10B, B10BLE, B10L, B12, B12BR |



## Dust cover Z-cam

| dph-no.      | OEM-no.     | application                                                                                                                                   |
|--------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>81522</b> | 3 090 954-3 | FL7, F10, FL10, F12, FH12, F16, FH16, N10, NL10Australia, NL10S, N12, NL12Australia, NL12S, B7 ch.20000-29999, B10B, B10BLE, B10L, B12, B12BR |



## Thrust pin Z-cam

| dph-no.      | OEM-no.     | application                                                                                                                                   |
|--------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>81006</b> | 1 696 446-2 | FL7, F10, FL10, F12, FH12, F16, FH16, N10, NL10Australia, NL10S, N12, NL12Australia, NL12S, B7 ch.20000-29999, B10B, B10BLE, B10L, B12, B12BR |



## Repair kit reverse lock Z-cam

| dph-no.      | OEM-no.   | application                                                                                                                                                                                                                  |
|--------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>81004</b> | 276 097-3 | FL7, F10, FL10, F12, FH12, F16, FH16, N10, NL10Australia, NL10S, N12, NL12Australia, NL12S, B7 ch.20000-29999, B10B, B10BLE, B10L, B12, B12BR<br>left<br>FL616-619 for trailing wheel brake 6x2<br>special S-60657, S-60917  |
| <b>81005</b> | 276 098-1 | FL7, F10, FL10, F12, FH12, F16, FH16, N10, NL10Australia, NL10S, N12, NL12Australia, NL12S, B7 ch.20000-29999, B10B, B10BLE, B10L, B12, B12BR<br>right<br>FL616-619 for trailing wheel brake 6x2<br>special S-60657, S-60917 |



## Repair kit brake adjusting Z-cam

| dph-no.      | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                          |
|--------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>81001</b> | 3 097 099-0 |  <p>FL10, F12, FH12, F16,<br/>FH16, N10, NL10Australia,<br/>NL10S, N12, NL12Australia,<br/>NL12S, B7 ch.20000-29999,<br/>B10B, B10BLE, B10L, B12, B12BR<br/>left-hand thread<br/>FL616-619 for trailing wheel brake 6x2<br/>special S-60657, S-60917</p>            |
| <b>81987</b> | 8 550 977-6 |  <p>FL7, F10, FL10, F12, FH12, F16,<br/>FH16, N10, NL10Australia,<br/>NL10S, N12, NL12Australia,<br/>NL12S, B7 ch.20000-29999,<br/>B10B, B10BLE, B10L, B12, B12BR<br/>right-hand thread<br/>FL616-619 for trailing wheel brake 6x2<br/>special S-60657, S-60917</p> |

## Sealing kit Z-cam

| dph-no.      | OEM-no.   | application                                                                                                                                                                                                                                                                                                                     |
|--------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>81953</b> | 272 905-1 |  <p>FL7, F10, FL10, F12, FH12, F16,<br/>FH16, N10, NL10Australia,<br/>NL10S, N12, NL12Australia,<br/>NL12S, B7 ch.20000-29999,<br/>B10B, B10BLE, B10L, B12, B12BR<br/>FL616-619 for trailing wheel brake 6x2<br/>special S-60657, S-60917</p> |

## Repair kit adjusting pin Z-cam

| dph-no.      | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>81003</b> | 276 096-5   |  <p>FL7 ch.SW-340707, AUS-561047, SC-890849<br/>F10 ch.SW-340597, BEL-450239, SC-890823<br/>FL10 ch.SW-340719, AUS-561047, SC-890865<br/>F12 ch.SW-340594, BEL-450239, SC-890823 AUS-593365<br/>F16 ch.SW-340585, AUS-503172<br/>N10 ch.-341356, N12 ch.-341407, B7 ch.20000-20436<br/>Trucks build in: SW= sweden AUS=australia, Bel=belgium,<br/>SC=scotland</p>                                                         |
| <b>94692</b> | 3 090 964-2 |  <p>FL7 ch.SW340708-, AUS561048-, SC890850-<br/>F10 ch.SW340598-, BEL450240-, SC890824-<br/>FL10 ch.SW340720-, AUS561048-, SC890866-<br/>F12 ch.SW340595-, BEL450240-, SC890824- AUS593366-<br/>F16 ch.SW340586-, AUS503173-, FH12, FH16, N10<br/>ch.341357-, NL10AUS, NL10S, N12 ch.341408-, NL12AUS,<br/>S, B7 ch.20437-29999, B10B, BLE, L, B12<br/>FL616-619 for trailing wheel brake 6x2 special S-60657, S-60917</p> |

## Cross shaft Z-cam

| dph-no.      | OEM-no.   | application                                                                                                                                                                                                                                              |
|--------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>81002</b> | 272 910-1 |  <p>FL7, F10, FL10, F12, FH12, F16, FH16,<br/>N10, NL10Australia,<br/>NL10S, N12, NL12Australia,<br/>NL12S, B7 ch.20000-29999,<br/>B10B, B10BLE, B10L, B12, B12BR</p> |

## O-ring compressor connection

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 61103   | 975 610-7 |  <p>F84-86, FB86, F87-88, FB88, G88, F89, G89, F6, F6S, FE6, FL608-615, FL616-619, F7, FE7, FL7, F10, FL10, F12, F16, N7, N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12, N12BR MK2, NL12Australia, NL12BR, NL12S, B54, B57, BB57, B58, B58BR, B59, B6-7, B7F, B7FA, B9M, B10B, B10L, B10M, B10MBR, B10R, B12, C10M<br/>not for WABCO 704 FL616-619 for trailing wheel brake 6x2 special S-60657, S-60917</p> |

## Repair kit air brake compressor

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                      |
|---------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 81409   | 272 813-7   |  <p>F6, F6S, F7, FL7, F10, FL10, F12, N7, N10, N12, B7F, B7FA, BB57, B6 chassis -4999, for compressor 500<br/>F86, FB86, F87, F88, FB88, G88, F89, G89, N86, NB86, N88, NB88</p>                                                                                |
| 81407   | 3 090 471-8 |  <p>FL7, F10, FL10, F12, F16, NL10Australia, NL10BR, NL10S, NL12 Australia, NL12BR, NL12S, B58, B58BR, B59, B9M, B10M, B10MBR, B10R, C10M<br/>for compressor: 15, 5</p>                                                                                        |
| 81392   | 6 645 225-1 |  <p>F6, F6S, F7, FL7, F10, FL10, F12, N7, N10, FL12, F16 NL10Australia, NL10S, N12, NL12 Australia, NL12S, B58BR, B6, B7F, B7FA, B9M, B10B, L, M, R, B12BR, C10M<br/>F86, FB86, F87, F88, FB88, G88, F89, G89, N86, NB86, N88, NB88<br/>B12 chassis -4999</p> |

## Repair kit

| dph-no. | OEM-no.     | application                                                                                                     |
|---------|-------------|-----------------------------------------------------------------------------------------------------------------|
| 81007   | 1 696 450-4 |                              |
| 81383   | 1 697 318   |  <p>Repair kit air brake</p> |

## Repair kit

| dph-no. | OEM-no. |                                                                                     | application                                        |
|---------|---------|-------------------------------------------------------------------------------------|----------------------------------------------------|
| 81382   | 270 910 |    | Repair kit air brake<br>Wabco 4757010010/10200     |
| 81387   | 270 969 |    | Foot brake valve kit<br>Wabco 4613150080/0090/0170 |
| 82814   | 272 571 |    | Foot brake valve kit, Wabco                        |
| 81390   | 270 890 |   | Repair kit brake valve kit                         |
| 81937   | 272 577 |  | Hand control valve kit, Wabco                      |
| 81384   | 272 712 |  | Repair kit trailer control valve, Wabco            |
| 81388   | 272 731 |  | Repair kit quick release valve<br>Bendix 274996    |

## Repair kit

| dph-no. | OEM-no.   | application                                       |
|---------|-----------|---------------------------------------------------|
| 81411   | 272 790   | Repair kit hand control valve                     |
| 81412   | 272 794   | Repair kit hand control valve<br>Wabco 9617222520 |
| 81949   | 272 860   | Repair kit trailer control valve                  |
| 81413   | 272 875   | Wabco hand control valve                          |
| 81406   | 270 698-4 |                                                   |

## King pin kit

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                     |
|---------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46794   | 3 090 267-0 | F86, FB86, F87, F88, FB88, F89, G89,<br>N86, NB86, N7, N10, N12, B57, BB57, B58, B59<br>late production<br>F6S, FE6, FL616-617, F7, FE7, FL7, FS7, F10, FL10, F12, F16,<br>N10BR MK2, NL10Australia, NL10BR, N12BR MK2,<br>NL12Australia, NL12BR, B58BR, B6, B7 ch.20000-, B7F, B7FA,<br>B9M, B10M, B10MBR, B10R<br>king pin upper: diam. 48 mm |
| 46795   | 3 090 266-2 | FL618-19, F7, FE7, FL7, FS7, F10, FL10, F12, F16, FH16,<br>N7, N10, N10BR MK2, NL10BR, NL10S, N12, N12BR MK2,<br>NL12 BR, NL12S,<br>B9M ch.20001-, B10B, B10L,<br>B10M ch.20001-, C10, B12, B12BR<br>Olympian MK2<br>king pin upper: diam. 50 mm                                                                                                |

## Expansion pin for anchor pin

| dph-no.      | OEM-no.   | application                             |
|--------------|-----------|-----------------------------------------|
| <b>46791</b> | 951 982-8 | For anchor pin 1 584 671-0              |
| <b>46792</b> | 951 983-6 | For anchor pin 1 584 673-6, 1 586 716-1 |



## Pinion Z-cam

| dph-no.      | OEM-no.     | application                                                                                                                                                                                                                                  |
|--------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>81008</b> | 1 696 924-8 | FL616-619*, FL7, F10, FL10, F12, FH12, FL12, F16, FH16, N10, NL10 Australia, NL10S, N12, NL12 Australia, NL12S, B7 ch. 20000-29999, B10B, B10BLE, B10L, B12, B12BR<br>*for trailing wheel brake 6x2<br>special S-60657, S-60917<br><br>left  |
| <b>81009</b> | 1 696 925-5 | FL616-619*, FL7, F10, FL10, F12, FH12, FL12, F16, FH16, N10, NL10 Australia, NL10S, N12, NL12 Australia, NL12S, B7 ch. 20000-29999, B10B, B10BLE, B10L, B12, B12BR<br>*for trailing wheel brake 6x2<br>special S-60657, S-60917<br><br>right |



# Front and rear axel parts

## Oil seal

| dph-no. | OEM-no.     |                                                                                     | application                                         |
|---------|-------------|-------------------------------------------------------------------------------------|-----------------------------------------------------|
| 80493   | 1 522 373-8 |    | Rear axle<br>Size: 50x65x80 B WD FPM dph            |
| 69293   | 1 522 894-3 |    | Rear axle<br>Size: 80x150x12/20<br>SP RD LA FPM dph |
| 80047   | 338 425     |  | Size: 25x35x8 NBR AD<br>Steering                    |
| 69289   | 943 250-1   |  | 63,5x110x12<br>BS LD FPM dph<br>rear axle           |
| 80881   | 944 665-9   |  | 148x168/170x32 B WD NBR dph<br>rear axle            |
| 94316   | 944 671-7   |  | 126x173x15 C Spezial NBR<br>front and rear          |

## Oil seal

| dph-no. | OEM-no.   | application                                     |
|---------|-----------|-------------------------------------------------|
| 80013   | 946 026-2 | Size: 152,4x120,65x13/12 NBR dph front and rear |
| 108798  | 947 270-5 | Size: 85x110x13 A NBR front axle                |
| 69291   | 948 642-8 | Size: 90x125,25x10 BS RD LA FPM dph rear axle   |

## Oil seal steering gear

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                |
|---------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36627   | 341 050-3 | F84-85, F88, FB88, G88, F89, G89, F6, FE6, FL608-615, FL616-19, F7, FE7, FL7, F10, FL10, FS10, F12, F16, N84, N86, NB86, N88, NB88, N7, N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12, N12BR MK2, NL12Australia, NL12BR, NL12S, B57, BB57, B58, B58BR, B59, B6 ch.5000-, B7, B7F, B7FA, B9M, B10B, B10M, B10MBR, B10R, B12, B12BR for ZF-steering gear |

## Oil seal pinion differential carrier

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36626   | 1 522 895-0 | F86, FB86, F87-88, FB88, F89, G89, F6S, FE6, FL616-619, F7, FE7, FL7, F10, FL10, F12, FH12, F16, FH16, N86, NB86, N88, NB88, N7, N10, N10BR MK2, NL10Australia, NL10BR, N12, N12BR MK2, NL12Australia, NL12BR MK2, B57, BB57, B58, B58BR, B59, B7, B7F, FA, B9M, B10B, M, MBR, R, C10M for rear axle types: DR80, EV71, EV80, 80B, EV8181B+C, EV82, 82B also for transfer gearbox: F88, FB88, G88, F89, G89, F10, F12, N10, NL10S, N12 |

## Oil seal companion flange differential carrier

| dph-no. | OEM-no.   | application                                                                                                                                                                                                   |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 59232   | 948 448-6 | F86GB, F7, FL7, F10, FL10, F12FH12, F16, FH16, N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12, N12BR MK2, NL12Australia, NL12BR, NL12S for tandem rear axle<br><br>for rear axle types: CT EV, RT EV, RT N |

## Oil seal front wheel hub

| dph-no.      | OEM-no.   | application                                                                                                                                                                                                                                                                                                                               |
|--------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>70269</b> | 191 160-1 | F86, FB86, F87, N86, NB86, N88, NB88<br>early production, front axle pressure 5 t<br>also for rear axle hub to F83S                                                                                                                                                                                                                       |
| <b>36375</b> | 944 667-5 | F86, FB86, F88, FB88, G88, F89G89, F6S ch.3146-6499,<br>F7*ch.-27087, F10*ch.-26821, F12*ch.-36736<br>N7*ch.-12099, N10*ch.-52439, N10BR MK2*, N12BR<br>MK2*, N12*ch.-15169, B57, BB57, B58, B58BR<br>B7F, B7FA ch.-10521,<br>B9M**, B10M**, B10MBR**, B10R ch.-3906<br>*with front axle pressure 6,5 t<br>** with grease lubricated hubs |

## Oil seal front wheel hub, trailing wheel hub

| dph-no.                      | OEM-no.                    | application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>46716</b><br><b>46810</b> | 1 089 552-2<br>1 587 792-1 | FE615, FL616-619, FE7, FL7, FS7, FL10, FS10, FH12, F16, FH16,<br>NL10S excl.6x4, NL12S excl.6x4, F7 ch.27088*, F10 ch.26822*,<br>F12 ch.36764, N7 ch.12001*, N10 ch.52440*, N12 ch.15170*,<br>B6 ch.865-4999, B7F, B7FA ch.10522-, B10R ch.3907-, B7, B9M,<br>B10B, B10L, B10M, B10MBR, C10M, B12<br>*with front axle pressure 6,5 tons and all with 7,5/8 tons<br>For trailing wheel hub to: F7, FL7, F10, FL10, F12, F16, B9M,<br>B10M, B12 Size: 110x140x12/21 NBR *S-ride, air suspension |

## Oil seal inner, rear wheel hub

| dph-no.      | OEM-no.            | application                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>98342</b> | 1 610 765-8<br>FPM | F86, FB86, F87, F88/FB88/G88 ch.36634, F89,<br>G89, F7, FL7, F10, FL10, F12, FH12, F16, FH16, N86/NB86<br>late production<br>N7, N10, N10BR MK2, NL10Austral., NL10BR, NL10S, N12,<br>N12BR MK2, NL12Austral., NL12BR, NL12S, B57,<br>BB57 ch.3405-7980, B58BR, B7 ch.30000-, B7F, B7FA, B9M,<br>B10B, B10BLE, B10L, B10BR, B10R, C10M, B12, B58AUS,<br>Olympian MK2 Size: 168x188/192,5x30 FPM B WD SP |

## Sealing kit outer, rear wheel hub

| dph-no.      | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>80969</b> | 3 090 331-4 | F84-86, FB86, F87-88, FB88, G88, F89, G89, F6S ch.-6871,<br>FL618-619 chid. B115391-, F7, FL7, FS7, F10, FL10, F12,<br>FH12, F16, FH16, FL12, N84, N86, NB86, N88, NB88,<br>N7, N10, N10BR MK2, NL10Austral., NL10BR, NL10S,<br>N12, N12BR MK2, NL12Austral., NL12BR, NL12S, B54,<br>B57, BB57, B58, B58BR, B59, B7 ch.30000-, B7F, B7FA,<br>B9M, B12BR, B10B, B10BLE, B10L, B10M, B10MBR, B10R,<br>C10M, B12B Olympian MK2 |

## Oil seal, trailing wheel hub

| dph-no.      | OEM-no.     | application                                                                                                                                                                                                  |
|--------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>37598</b> | 1 610 765-8 | F7 ch.19746-, F10 ch.20877-, FL10, F12 ch.22915-,<br>FH12, F16, FH16, N10 ch.46316-, NL10S, N12 ch.8780-,<br>NL12S<br>Nitrile version – must only be used on trailing axles<br>Size: 168x188/192,5x30 ACM WD |

## Oil seal kit rear axle hub reduction

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                             |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 36587   | 273 394-7 |  <p>F88, FB88, G88, F89, G89, N88, NB88, N10 ch.-56683, N10BR MK2, NL10BR, N12 ch.-18480, N12BR MK2, NL12BR, B58BR, B10MBR<br/>for rear axles:<br/>N1 80, N1 81, N2 81, N1 82, N2 82, N1 87, N2 87</p> |

## Oil seal rear axle hub reduction

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                                             |
|---------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37599   | 1 522 372-0 |  <p>FL7, F10, FL10, F12, FH12, F16, FH16, N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12, N12BR MK2, NL12Australia, NL12BR, NL12S, B9M, B10M Portugal spec. S-4621<br/>for rear axles:<br/>N3 71, N3 72, N4 71<br/>Size: 140x164x20/23,5 FPM SP</p> |

## Wear ring rear axle hub, trailing wheel hub

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                   |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 61171   | 944 670-9 |  <p>For real wheel hub:<br/>F6S up to chassis No.-6871<br/>for trailing wheel hub:<br/>F7 ch.-19745, F10 ch.-20876, F12 ch.-22914, N7*ch.-12000, N10*ch.-17289, N12*ch.-8779<br/><br/>*with disc wheels</p> |

## Lock washer rear wheel hub, trailing wheel hub

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46729   | 191 179-1 |  <p>F84-86, FB86, F87-88, FB88, G88, F89, G89, F6S, FE615, FL616-619, F7, FE7, FL7, FS7, F10, FL10, F12, FH12, F16, FH16, N84, N86, NB86, N88, NB88, N7, N10, N10BR MK2, NL10Austr., NL10BR, NL10S, N12, N12BR MK2, NL12Aust., NL12BR, NL12S, B54-55, B57, BB57, B58, B58BR, B59, B7, B7F, B7FA, B9M, C10M, B10B, B10BLE, B10L, B10M, B10R, B10R, B12, B12BR Olympian MK2</p> |

## Tab washer front wheel hub, steering knuckle

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46730   | 1 575 525-9 |  <p>F86, FB86, F87-88, FB88, F89, G89, F6S ch.3146-early production, F7, FL10, F10 ch.-26821*, F12 ch.-36763*, N7 ch.-5847-12099*, N10 ch.-52439*, N10BR MK2, N12 ch.-15169*, B57, BB57, B58, B58BR, B59, B7F, B7FA, B9M/B10M ch.-11499**<br/>*front axle pressure 6,5 t/7 t **also for steered trailer axle up to chassis No.-20000 thickness: 2 mm</p> |

## O-ring rear axle hub

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                |
|---------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 80523   | 948 767-9 |  <p>FL7, F10, N10, FL10, F12, FH12, FL12, F16, FH16, N10, N10BR MK2, NL10 Australia, NL10BR, NL10S, N12, N12BR MK2, NL12 Australia, NL12BR, B10M special S-4621 Portugal<br/>for rear axles with hub reduction<br/>Size: 248x3 NBR 70</p> |

## Gasket kit steering gear

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                               |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 96162   | 271 524-1 |  <p>N7, N10, N12, F7, F10, F12</p> <p>for steering gear:<br/>ZF no. 8045 955 109 Volvo 250182-3<br/>ZF no. 8045 955 131 Volvo 250194-8<br/>ZF no. 8045 955 141 Volvo 250202-9<br/>ZF no. 8045 955 143 Volvo 250205-2</p> |
| 81933   | 271 561   |                                                                                                                                                                                                                         |
| 81955   | 276 140-1 |                                                                                                                                                                                                                        |
| 81490   | 270 171-2 |  <p>ZF steering UTV 20,2 F7, F10, F12, F16<br/>Front axle load 6,5/6,7 tons LHD</p>                                                                                                                                    |
| 81505   | 271 567-0 |  <p>N7 - CH 12000, N10 - CH 49000, N12 - CH 305999</p>                                                                                                                                                                 |
| 70385   | 271 525-8 |  <p>ZF steering gear<br/>F7, F10 - CH 25000, F12 - CH 34000, N7 - CH 12000, N10 - CH 49000, N12 - CH 12000, B10</p>                                                                                                    |

## Gasket kit steering gear

| dph-no. | OEM-no.   | application                                                                     |
|---------|-----------|---------------------------------------------------------------------------------|
| 81498   | 271 560-5 | ZF steering gear<br>UTV 23,6 F7, F10, F12, F16 Front axle load 6,5/6,7 tons LHD |



## Wheel accessory kit

| dph-no. | OEM-no.   | application                                                      |
|---------|-----------|------------------------------------------------------------------|
| 82324   | 968 012-5 | Rear<br>FL4, FL608-611<br>Size: 100x120x12 NBR AS                |
| 94317   | 968 013-3 | Front<br>FL612-614<br>FAT 5.0 FAT 5.6<br>Size: 110x130x12 NBR AS |



## Seal ring

| dph-no. | OEM-no.   | application                                |
|---------|-----------|--------------------------------------------|
| 81992   | 967 852-5 | Size: 47,35x1,78 NBR 70<br>front/rear axle |



## O-ring for hub cap

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 61565   | 925 261-0 | For front and trailing wheel hub cap to: F86, FB86, F87, F88, FB88, G88, F89, G89, FE6, FL616-619, F7, FE7, FL7, FS7, F10, FL10, F12, FH12, FL12, F16, FH16, N86, NB86, N7, N10, N10BR MK2, NL10 Australia, NL10BR, NL10S, N12, N12BR MK2, NL12 Australia, NL12BR, NL12S, B57, BB57, B58, B58BR, B59, B6 ch.-4999, B7, F7F, B7FA, B9M, B10B, B10L, B10M, B10MBR, B10R, C10M, B12, B12BR<br>also for brake valve to: F4, F6, F10 ch.- 40640, F12 ch.-65820, N7 ch.-12000, N10 ch.-49000, N12 ch.-12000, B58, B58BR ch.-304120, B59, B6 ch.-4999, B9M/B10M ch.-20000, B20R, C10M<br>Size: 109,5x3 NBR 70 |



# Bogie lift parts

## Plastic bearing bogie

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                     |
|---------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48454   | 1 581 543-4 |  <p>F7, FL7, F10, FL10, F12, FH12, F16, FH16, N10, N10BR MK2, NL10Austr., NL10BR, NL10S, N12, N12BR MK2, NL12Austr., NL12BR, NL12S<br/>F88/G88 6x2 ch. LD41345-, RHD41580-</p> |

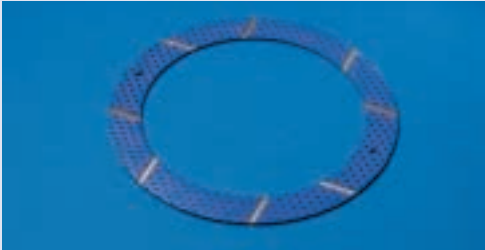
## Bolt bogie roller

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                     |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 61172   | 363 908-5 |  <p>FB86 late production, F88/G88<br/>LHD/ch.41345-<br/>RHD/ ch.41580-<br/>F89/G89 late production, F7, FL7, F10, FL10, F12, F16, N7, N10, NL10S, N12, NL12S<br/>6x2, 8x2</p> |

## Bushing balance arm bogie suspension

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                           |
|---------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48689   | 1 590 885-8 |  <p>FB86 late production, F88/G88<br/>LHD/ch.41345-<br/>RHD/ch.41580-<br/>F89/G89 late production, F7, FL7, F10, FL10, F12, FH12, F16, N7, N10, NL10S, N12, NL12S<br/>6x2, 8x2</p> |

## Thrust washer balance arm bogie suspension

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                           |
|---------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48690   | 1 593 431-8 |  <p>FB86 late production, F88/G88<br/>LHD/ch.41345-<br/>RHD/ch.41580-<br/>F89/G89 late production, F7, FL7, F10, FL10, F12, FH12, F16, N7, N10, NL10S, N12, NL12S<br/>6x2, 8x2</p> |

## Oil seal balance arm bogie suspension

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                      |
|---------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 51729   | 945 538-7 |  <p>           FB86 late production,<br/>           F88/G88<br/>           LHD/ch.41345-<br/>           RHD/ch.41580-<br/>           F89/G89 late production,<br/>           F7, FL7, F10, FL10, F12, FH12, F16,<br/>           N7, N10, NL10S, N12, NL12S<br/>           6x2, 8x2         </p> |

## Gasket kit bogie lift cylinder

| dph-no. | OEM-no.   | application                                                                                                                                                                                                                                                                                                                                                                                |
|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 70222   | 273 404-4 |  <p>           F86, FB86, F87,<br/>           F88/FB88/G88 ch.30001-,<br/>           F89, G89<br/>           early production<br/>           for SOERLING bogie lift         </p>                                                                                                                         |
| 51731   | 273 712-0 |  <p>           F86, FB86, F87,<br/>           F88/FB88/G88 ch.30001-, F89, G89<br/>           late production<br/>           F7, FL7, F10, FL10, F12, F16,<br/>           N7, N10, NL10S, N12, NL12S<br/>           alternative 1<br/>           for cylinder ref.Nr.: 1505636-9         </p>            |
| 51732   | 276 110-4 |  <p>           FL7*, F10 ch.314000-*, FL10*,<br/>           F12 ch.314000-*, FL12, FH12, F16*, FH16,<br/>           N10 ch.306000-*, NL10S*,<br/>           N12 ch.306000-*, NL12S*<br/>           *alternative 2<br/>           for cylinder ref.Nr.:<br/>           1698818-0, 1698819-8         </p> |

# Front and rear suspension parts

## Shackle pins front spring

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                       |
|---------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48350   | 1 614 229-1 |  <p>F88, FB88, G88, F89, G89, F7, FL7, F10, FL10, F12, FH12, F16, FH16, N88/NB88 bogie spring ch.23107-, N7, N10, N10BR MK2, NL10 AUS, NL10BR, NL10S, N12, N12BR MK2, NL12AUS, NL12BR, NL12S</p> |
| 48351   | 1 614 230-9 |  <p>F7, FL7, F10, FL10, F12, FH12, F16, FH16, N7, N10, N10BR MK2, NL10AUS, NL10BR, NL10S, N12, N12BR MK2, NL12AUS, NL12BR, NL12S</p>                                                             |

## Shackle pin rear spring

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                     |
|---------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 61169   | 1 609 960-8 |  <p>F86/FB86/F87<br/>LHD ch.20654-, RHD ch.21109-,<br/>F88/FB88/G88<br/>LHD ch.41345-, RHD ch.41580-,<br/>F89/G89 ch.6998-,<br/>F7, FL7, F10, FL10, F12, FH12, F16, FH16, N7, N10, NL12S, N10BR MK2, NL10S, N12 6x2, 8x2</p> |

## Shackle pin (bolt) rear spring

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                  |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46796   | 1 598 764-7 |  <p>For front end of the spring to:<br/>F7, FL7, F10, FL10, F12, F16<br/>4x2 semi</p> <p>For sliding block to:<br/>F7, F10 ch.-40640, F12 ch.-65820,<br/>4x2, 6x2 with air suspension</p> |

## Shackle pin (bolt) rear spring, rear end

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                |
|---------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46797   | 1 598 766-2 |  <p>4x2 semi</p> <p>FL7*, FL10*, F10**, F12**, FL12*, F16**</p> <p>*with soft single parabolic springs<br/>**with parabolic springs</p> |

## Shackle bushing rear spring

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                      |
|---------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48349   | 1 608 019-4 |  <p>4x2 semi with parabolic springs to:<br/>FL7, F10 ch. 25001-, FL10, F12 ch. 34001-, FL12, F16</p> <p>4x2 semi with air suspension to:<br/>F10 ch. 25001-40640,<br/>F12 ch. 34001-65820<br/>Inner bushing</p> |

## Shackle bushing spring

| dph-no. | OEM-no.     | application                                                                        |
|---------|-------------|------------------------------------------------------------------------------------|
| 51730   | 1 586 089-3 |   |
| 46726   | 1 610 110-7 |  |

## Spring washer

| dph-no. | OEM-no.   | application                                                                                                      |
|---------|-----------|------------------------------------------------------------------------------------------------------------------|
| 48352   | 941 916-9 |  <p>For nut:<br/>961997-4</p> |

## Plastic bushing front anti-roll bar

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46798   | 1 611 551-1 |  <p>FL616-619 ch.457577-, F7 ch.16718-, FL7, FS7,<br/>F10 ch.19713-, FL10, F12 ch.19782-<br/>F16, N7 ch.10904-, N10 ch.39080-,<br/>N10BR MK2 ch.604498-,<br/>NL10Australia, NL10BR, NL10S,<br/>N12 ch.8289-,<br/>N12BR MK2 ch.604498-,<br/>NL12Australia, NL12BR, NL12S</p>                                                                                                                                          |
| 46799   | 1 589 807-5 |  <p>FL616-619 ch.457577 with leaf springs, F7 ch.16718-,<br/>FL7 ch.384649-, 562050-, 906412-, FS7, FL10 ch.-384649,<br/>F10 ch.19713-, F12 ch.19782-, F16, N7 ch.10904-,<br/>N10 ch.39080-, N10BR MK2 ch.604498-, NL10Australia,<br/>N12 ch.8289-, N12BR MK2 ch.604498-NL12Australia,<br/>NL12BR, NL12S, B7ch.20000-<br/>also for rear anti roll bar to FL608-611 air suspension<br/>B6 ch.5000- length 22,5 mm</p> |

## Rubber bushing rear anti-roll bar

| dph-no. | OEM-no.     |                                                                                     | application                                                                                                                                                                                                                                          |
|---------|-------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48361   | 1 580 010-5 |    | LOWER bushing<br>F86/FB86/F87 ch.32700- track 1820,<br>F89/G89 Switzerl., F7, FL7, F10, FL10, F12, F16, N7,<br>N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12,<br>N12BR MK2, N12Australia,<br>NL12BR, NL12S<br>4x2, 4x4 K1D, K2D, P2D, P2DL, P2DR |
| 48319   | 1 580 009-7 |    | UPPER bushing<br>F86/FB86/F87 ch.32700- track 1820,<br>F89/G89 Switzerl., F7, FL7, F10, FL10, F12, F16, N7,<br>N10, N10BR MK2, NL10Australia, NL10BR, NL10S, N12,<br>N12BR MK2, N12Australia,<br>NL12BR, NL12S<br>4x2, 4x4 K1D, K2D, P2D, P2DL, P2DR |
| 46800   | 1 609 768-5 |    | FL7, F10 fr. chassis No.39135-,<br>FL10, F12 fr.chassis No.61305-, F16<br>FL12, FL16, NL10S, NL12S<br>4x2 P2, P2L                                                                                                                                    |
| 46801   | 1 587 261-7 |  | FL7, F10 fr.chassis No.25001-,<br>FL10, F12 fr.chassis No.34001-, F16<br>FL12, NL10S, NL12S<br>4x2 P2, P2L<br>length 26 mm                                                                                                                           |
| 51554   | 1 575 339-5 |  | F86, FB86, F87, F7, FL7, F10, FL10, F12,<br>FH12, F16, FH16,<br>N7, N10, N10BR MK2, NL10S,<br>N12, NL12S<br><br>6x2, 8x2, 6x4, 8x4 with leaf spring                                                                                                  |
| 80967   | 1 605 182-3 |  | UPPER bushing <b>white</b><br><br>FL7, F10 v. chassis No..25001-,<br>FL10, F12 v.chassis No..34001-,<br>FH12, F16, FH16<br>4x2, 6x2, 6x4, 8x4 with air suspension<br>inner diam. 55 mm                                                               |
| 80966   | 1 605 047-8 |  | LOWER bushing <b>black</b><br><br>FL7, F10 fr. chassis No.25001-,<br>FL10, F12 fr.chassis No..34001-,<br>FH12, F16, FH16<br>4x2, 6x2, 6x4, 8x4 with air suspension<br>inner diam. 60 mm                                                              |

## Rubber bushing rear anti-roll bar

| dph-no. | OEM-no.     | application                                                                                                                                                                                       |
|---------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 80968   | 1 607 561-6 | <p>LOWER bushing <b>yellow</b></p> <p>FL7, F10 fr.chassis No.25001-,<br/>FL10, F12 fr.chassis No.34001-,<br/>FH12, F16, FH16<br/>4x2, 6x2, 6x4, 8x4 with air suspension<br/>inner diam. 65 mm</p> |



## Rubber bushing

| dph-no. | OEM-no.     | application                                                                                                                                                                                                                                                                                                   |
|---------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48077   | 1 134 962-8 | <p>F84, F85, F86, FB86, F87, F88, FB88, G88, F88, G89, FL4,<br/>F6, FE6, F6S, F6,FE7, FL7,FS7, F10, FL10, F12, FL12, F16,<br/>N84, N86, N88, NB88, N7, N10, N10BR MK2, NL10<br/>Australia, NL10BR, NL10S, N12, N12BR MK2, NL12<br/>Australia, NL12BR, NL12S, B54, B57, BB57, B58BR, B6, B7,<br/>B7F, B7FA</p> |
| 70031   | 3 028 447-5 |                                                                                                                                                                                                                                                                                                               |
| 61078   | 3 028 448-3 |                                                                                                                                                                                                                                                                                                               |
| 61079   | 3 028 449-1 |                                                                                                                                                                                                                                                                                                               |
| 95142   | 1 598 588   |                                                                                                                                                                                                                                                                                                               |



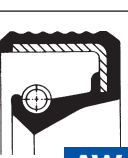
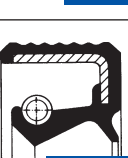
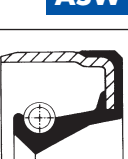
## Sleeve anti-roll bar

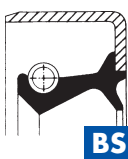
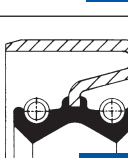
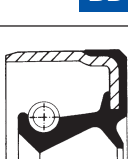
| dph-no.      | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>61582</b> | 1 625 954-1 |  <p>For front anti roll bar to: FL608-615, FL616-619 ch.457577-, F7 ch.16718-, FL7, FS7, F10 ch.19713-, FL10, F12 ch.19782-, F16, N7ch.10904-, N10 ch.39080-, N10BR MK2 ch.604498-, NL10Australia, NL10BR, NL10S, N12 ch.8289-, N12BR MK2 ch.604498-NL12Australia, NL12BR, NL12S, B7 ch.20000-</p> <p>for rear antiroll bar to: FL608-615 ch.473176-with leaf springs F616-619 with leaf springs, FS7 with leaf springs, B6 ch.5000-</p> |
| <b>61583</b> | 1 588 445-5 |  <p>FL7, F10 ch.25001-, FL10, FL12<br/>F12 ch.34001-, F16, NL10S, NL12S</p> <p>4x2 semi P2P2L</p>                                                                                                                                                                                                                                                                                                                                        |

## Bushing V-stay

| dph-no.      | OEM-no.     | application                                                                                                                                                                                                                                                                                                                                        |
|--------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>93466</b> | 1 075 255-8 |  <p>For air suspension</p> <p>For V-stay front suspension to: B10B, B10BLE, B9M/B10M ch.-20001-, B12</p> <p>for V-stay rear suspension to: F7, FL7, F10 ch.25001-, FL10, F12 ch.34001-, FH12, FL12, F16, FH16, NL10BR 6x2, NL12 BR 6x2 ch.635001-, B9M, B10M</p> |

# Overview of most popular oil seal types acc to DIN 3760/3761

| Application                                                                                       | Description                                                         |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <br><b>A</b>     | rubber version with single lip                                      |
| <br><b>AS</b>    | rubber version with sealing and dust lip                            |
| <br><b>AD</b>   | rubber version with 2 lips and 2 springs                            |
| <br><b>AW</b>  | rubber version with sealing lip and corrugated profile              |
| <br><b>ASW</b> | rubber version with sealing lip and dust lip and corrugated profile |
| <br><b>A/B</b> | seal with combined elastomer/<br>metal outer cover                  |

| Application                                                                                        | Description                                                      |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <br><b>B</b>      | metal cased open                                                 |
| <br><b>BS</b>     | metal cased open with dust lip                                   |
| <br><b>C</b>     | metal cased closed                                               |
| <br><b>CS</b>   | metal cased closed with dust lip                                 |
| <br><b>BD</b>   | metal cased open with 2 lips                                     |
| <br><b>A/BS</b> | seal with combined elastomer/<br>metal outer cover with dust lip |

## Abbreviations at „style“

FL Washer  
PR Profile seal  
OR O-Ring  
WR Oil seal

## Complimentary definitions

RD Right hand helix  
LD Left hand helix  
WD Double helix  
SF Special design  
OF Without spring  
V Reinforced seal lip  
LA With sealant film  
W Corrugated profile  
SP Special

## Abbreviations at „mat“ (material)

|                                   |                              |
|-----------------------------------|------------------------------|
| ACM Polyacryl rubber              | PTFE Polyterafluoren-ethylen |
| FPM Fluor rubber (Viton)          | HNBR Hydrogenated NBR        |
| MVQ Silicone rubber               | AL Aluminium                 |
| NBR Nitril rubber                 | CU Copper                    |
| EPDM Ethylen-Propylen-Dien-rubber | FE Iron                      |
|                                   | FZ Felt                      |

# Standard terms and conditions

Standard Terms and Conditions of Trade and Delivery, as established by Dichtungspartner Hamburg GmbH, Ferdinand-Harten-Str. 15, 22949 Ammersbek, Germany, hereafter referred to as "dph":

## Application

The terms and conditions set out below form part of all contracts for services, supplies and quotations by dph. Sales shall be made solely on the basis of the terms and conditions below. Ancillary agreements and amendments shall only be deemed valid if in writing.

If our contracting partner has its own terms and conditions which differ from dph's terms and conditions, we shall only be bound by the aforementioned terms and conditions of the contracting partner if we specifically accepted them in writing on conclusion of the contract. We hereby specifically state that we shall not accept a counter-confirmation by the customer with reference to its own terms and conditions.

## Quotations

All quotations are subject to change. We shall not be bound by any arrangements made orally, by telegraph or telephone until we have issued a written confirmation. Any details given in brochures, advertisements, etc., including prices, shall not be binding until specifically agreed in writing.

## Prices

Our prices are given in euros (EUR) ex works and exclude German VAT. Prices exclude postage/delivery, packing and insurance.

## Delivery

1. Prices are given ex works. Unless free delivery has been agreed, the purchaser shall bear the costs associated with dispatch/shipment. It shall also bear costs ex delivery destination. Freight refunds are not granted. The goods shall be insured only if the customer so requests in writing, and insurance shall be at the customer's expense.
2. Collection and dispatch of the goods ex works or distribution warehouse is in all cases at the customer's risk.
3. We reserve the right to charge a minimum-quantity flat rate or a minimum cost-contribution flat rate for small orders.
4. In the case of blanket/call orders, we are entitled to procure the material for the whole order and to manufacture the entire quantity ordered immediately. Any change requests by the customer cannot be accepted after the order has been placed, unless this was specifically agreed.

## Payment

1. Our invoices are payable in euro (EUR).
2. Invoiced amounts are payable (free of dispatch costs and other expenses) within 14 days after invoice date less 2% discount, or within 30 days after invoice date without deduction. Default interest is payable at the rate of 8% above the base interest if payment is late.
3. Cheques shall be regarded as cash payments, provided they have been sent to us in sufficient time that they can be cashed within the above payment periods.
4. Only payments made at the place of performance have the effect of discharging obligations. Payments made to employees of our company shall only discharge obligations if such employees have the appropriate collecting power (Inkassovollmacht).
5. If it becomes apparent after conclusion of the contract that our claim to payment may be in jeopardy because the customer is not able to discharge its obligations, then any other debt claims we have shall become due and payable immediately. In this event, we are entitled to make any remaining deliveries subject to payment in cash or the provision of security. This will not affect any further legal claims.
6. The customer may only set off payments against counterclaims which we have accepted or which have the authority of a final court judgment. This also applies to the retention of payments.

## Tools and equipment

Tools and equipment which we manufacture or engage a third party to manufacture shall be our property, even if our customer pays part of the manufacturing costs.

## Packaging

Paper packaging shall be subject to the lowest-possible charge. Chests, crates, barrels, sacks and other types of packaging shall be invoiced and, if returned freight-paid and in good condition within 4 weeks after receipt of the delivery, a credit note will be issued for 2/3 of the amount charged. In the event that a rail company classifies a delivery as inadequately packed, this may not be used against us.

## Periods of delivery

1. The periods of delivery shall begin when all details of the order have been explained, however, not before the purchaser has fulfilled any contractual obligations which must be performed beforehand. The delivery date is deemed to have been met if the goods have left the warehouse by the end of such date or, if the delivery is delayed for reasons not attributable to us, on notification that the goods are ready for dispatch within the agreed period of delivery.
2. The delivery obligation is subject to the condition that dph has been supplied correctly and in due time by its suppliers.
3. Partial deliveries within the agreed time and quantities are permissible and may be invoiced separately.
4. If any acts of force majeure, industrial disputes or their consequences or other events which are outside the scope of our control delay the performance of our delivery obligation, regardless of whether they affect us or our sub-contractors, the period of delivery shall be extended by the length of such delay. Both parties shall have the right to cancel the contract if the delivery later becomes impossible or unreasonable for one of the parties due to an event of the above nature.
5. The purchaser is entitled to terminate the contract, in accordance with the legal provisions, in the event of delay or if delivery is impossible for reasons attributable to us. If the delivery is delayed and if the purchaser thereby suffers loss, it is entitled to demand a lump-sum amount as compensation for the delay. Such compensation shall be, for each full week of delay, 0.5% of the value of that portion of the total delivery which, as a result of the delay, cannot be used on time or in accordance with the contract, up to a maximum of 5% of such value.
6. If delivery is delayed at the purchaser's request, the purchaser shall be charged the costs of storage, commencing 2 weeks after notification that delivery is ready, subject to a minimum charge of 1% of the invoice amount for each week.

## Tolerances

Any recommendations we give as to the use of our products are made to the best of our knowledge. The purchaser is at all times under an obligation to satisfy itself by means of its own enquiries that the goods delivered are suitable for the intended purpose. Deviations from samples and earlier deliveries are permissible if they do not affect quality and use. We reserve the right to deviations in quantity of  $\pm 10\%$ .

## Complaints and liability for defects

1. Immediately after receipt, the purchaser must inspect the goods and give written notification promptly, or no later than within 10 days after receipt, of any obvious visible defects, incorrect quantities or incorrect deliveries, specifying the defect. In the case of latent defects, it must do this within 10 days after discovery of the defect.
2. If there are defects, we guarantee as follows: We shall, at our discretion, replace free of charge or repair all parts which prove to be unusable or whose use is not inconsiderably affected as a result of circumstances existing before risk was transferred.

3. The purchaser is entitled to rescission of the contract or to a reduction in price if we allow a reasonable extension of time for post-performance or repairs to elapse without resolving the defect, or if more than one attempt at post-performance or repair does not resolve the defect. If we deliver a defect-free item for the purpose of supplementary performance, or if the purchaser rescinds the contract, then it must pay value-related compensation for the benefit derived. The value of the benefit derived shall be determined by pro rata temporis straight-line depreciation in the ratio between the actual period of use and the estimated useful life.
4. The statutory limitation period of 2 years shall apply to notification of defects under Section 437 BGB (Bürgerliches Gesetzbuch – German Civil Code).
5. The provisions below under “General Liability” shall apply to liability to pay compensatory damages for liability for defects.

#### **General liability**

1. Without prejudice to the provisions under point 5 of “Periods for delivery”, claims for damages of any kind in connection with and apart from liability for defects are excluded – for delay or impossibility, for breach of other contractual obligations, for mistakes on conclusion of the contract, for tort or for any other legal reason, in particular also for damages which do not occur to the items delivered themselves. There shall only be liability where there is intentional conduct, gross negligence, culpable injury to life, limb or health, defects which we have fraudulently concealed, on assumption of a warranty made regarding the existence of any specific feature or for defects in the items delivered, to the extent that there is liability under product liability laws for material damage to privately used items and for personal injury.
2. We shall also be liable for culpable breach of essential contractual obligations. However, provided there is no gross fault, such liability shall be limited to damage which is deemed typical as regards this type of contract and reasonably foreseeable.

#### **Returns**

Returns which are not based on a legal claim shall only be accepted, carriage paid, with our express written consent. As compensation for the costs incurred on any return, we shall retain from the credit note a corresponding reduction in the net invoiced value of the goods, subject to a minimum of 20% of the net invoiced value of the goods.

#### **Reservation of title**

1. The goods delivered shall remain our property until all outstanding amounts owed to us in connection with the business relationship, including incidental expenses, have been paid. If operating an open account, the property subject to the reservation of title shall be deemed to be security for our current account.
2. If our goods are combined or mixed with other goods which do not belong to us, we shall have joint ownership in the new object or the mixed item in proportion to the invoice value of the goods subject to the reservation of title compared with the value of the other combined or mixed goods at the time they were combined or mixed. If, as a result of combination, the purchaser acquires sole ownership in the new item, it hereby assigns to us joint ownership in the new item in proportion to the invoice value of our goods subject to the reservation of title compared with the value of the other combined goods remaining at the time they were combined, and shall keep such item in custody for us using the care of a prudent merchant.
3. Resale of the goods delivered, even if combined or mixed, is only permitted to resellers in the usual course of business and subject to the reservation of title and only if the debt claim arising from the resale is assigned to us. The purchaser may not pledge the goods as collateral nor transfer ownership therein by way of security, nor may it agree on a non-assignment clause. The purchaser must notify us immediately if there is any pledge or any other third-party action which may affect our rights.
4. The purchaser hereby assigns to us in advance any outstanding debts owed to it from the resale or for any other legal reason in respect of the goods we have supplied, both existing and arising in future as soon as they come into being. We accept such assignment. The value of the goods subject to the

reservation of title shall be our invoice amount plus a security premium of 10% which shall however not apply if third-party rights present an obstacle to this. If our goods are resold after they have been combined or mixed with other goods, or if the new item which arises through combination is resold, the claim against the purchaser's customer will be assigned in the amount of the invoice value of our processed, combined or mixed item, or up to the amount which corresponds to our share in the joint property, if this is lower.

5. The purchaser is entitled to collect the debt claims assigned provided that it duly fulfils its payment obligations to us.
6. If the value of the security assigned to us exceeds our debt claims by more than 10% in total, we are under an obligation to release the securities of our choice upon request by the purchaser. Ownership in the goods subject to the reservation of title and the assigned debt claims shall pass to the customer on payment of all our debt claims in connection with the business relationship.

#### **Property rights**

If we have made our supplies in accordance with drawings, models, samples or other documents provided by the purchaser, the purchaser guarantees that third-party property rights are not breached. If a third party claims in such a case that we are breaching a property right, e.g. through the manufacture or supply of the goods, then we shall be entitled, without further inspection, to discontinue our activity subject to our other rights. The purchaser undertakes to notify us immediately if there are any risks of breach or alleged cases of breach as soon as they become known.

#### **Place of performance, jurisdiction, applicable law, general**

1. The place of performance for deliveries and payments is Ammersbek. The courts of Ahrensburg will have jurisdiction for any disputes with traders or with people who do not have a legal domicile within Germany – even in the cases involving bills of exchange and cheques. We are also entitled, at our discretion, to bring an action against the purchaser before the courts which have jurisdiction in the place where the purchaser has its head office.
2. German law will apply to the contractual relationship. The provisions of UN sales of goods law will not apply.
3. The latest version of Incoterms 2000 will apply if clauses defined in the Incoterms are agreed.

#### **Data storage**

As required by Section 28 of the Bundesdatenschutzgesetz (Federal Data Protection Act - BDSG), we draw attention to the fact that the data necessary for the purposes of our business will be processed and stored using data processing equipment in accordance with Section 33 of the BDSG. The purchaser agrees that we may use the data obtained from our business relationship with it, in accordance with data privacy provisions, only for our own business purposes.

#### **Severability and concluding provision**

If any individual provisions of these Terms and Conditions should be void, this shall not affect the validity of the remaining provisions. Any provision which is void will be replaced by a valid provision which comes as close as possible to the purpose sought by the void provision. This is an English translation of the original Standard Terms and Conditions. In the event of any conflict or inconsistency between the English translation and the German original, the German original shall prevail. Neither the Company nor the Language Professional can accept liability for any direct, indirect, special, consequential or other losses or damages arising out of erroneous translations. Only the German version shall be deemed authoritative.

Date: June 2004

## Remarks

## Remarks



# We supply gaskets and other spare parts worldwide



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