

Form No.
917115

Rev. B
11/05

Deutz Engines

F3M 1011F

BF3M 1011F

F4M 1011F

BF4M 1011F

Used In:

SL4635, SL4835,
SL5635, SL6635
Skid-Steer Loaders



Engine Service Parts Manual

GEHL®

Introduction

This manual covers F3M 1011F and BF3M 1011F engines used in SL4635 and SL4835 skid-steer loaders and F4M 1011F and BF4M 1011F engines used in SL5635 and SL6635 skid-steer loaders. When ordering service parts, specify the correct part number, full description, quantity required, and the engine model number and serial number (located on a plate on the valve mechanical cover).

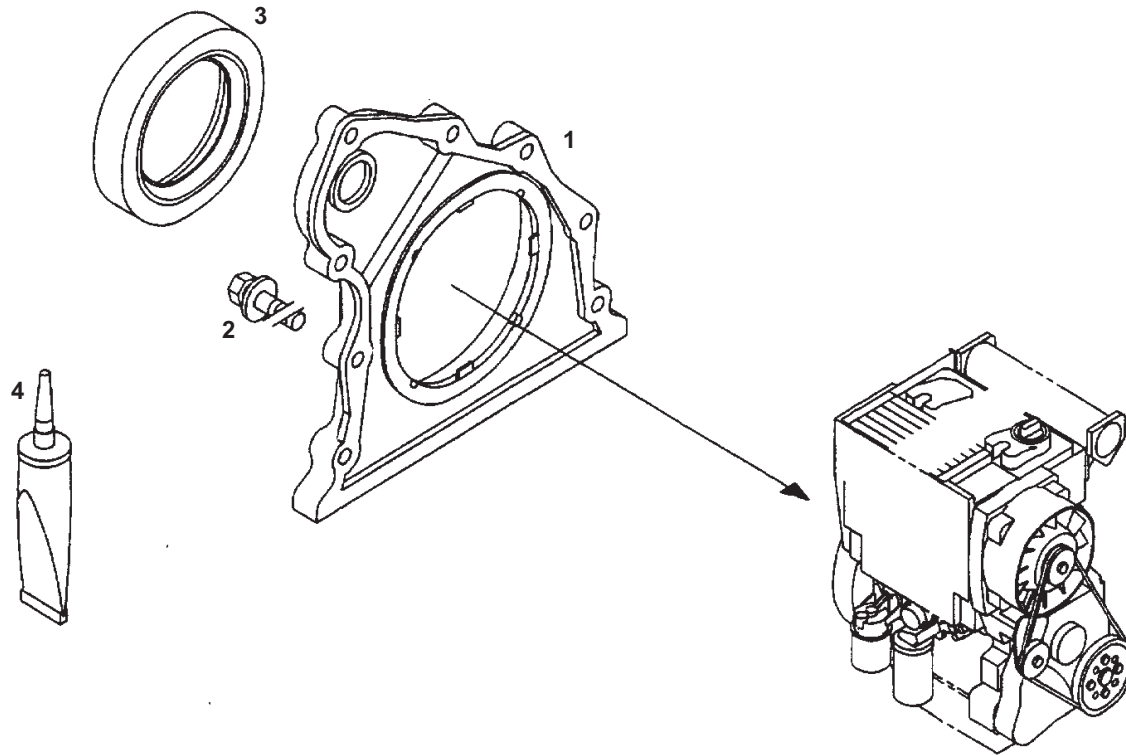
Items shown that do not have a part number are shown for reference purposes only and are not available for purchase separately.

Use only genuine original equipment manufacturer service parts. All service parts should be obtained from or ordered through your Gehl® dealer.

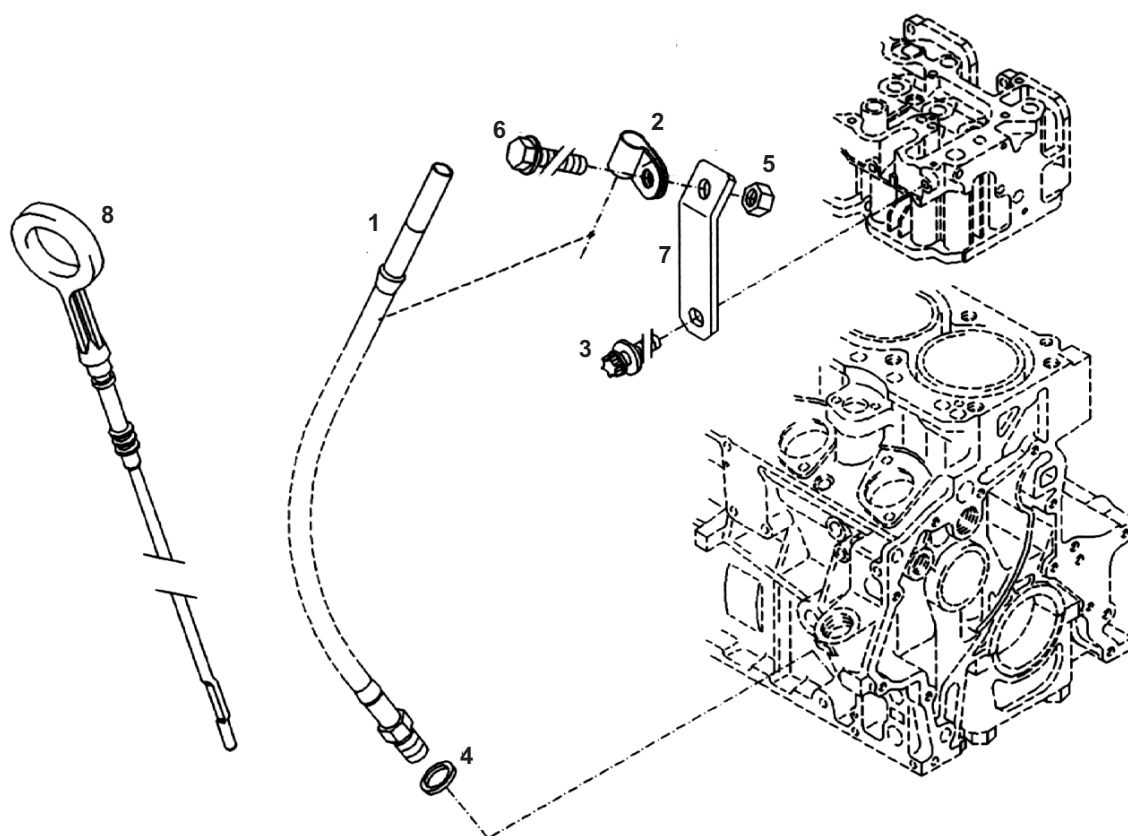
Gehl® Company reserves the right to make changes or improvements in the design or construction of any part of the unit without incurring the obligation to install such changes on any previously delivered units.

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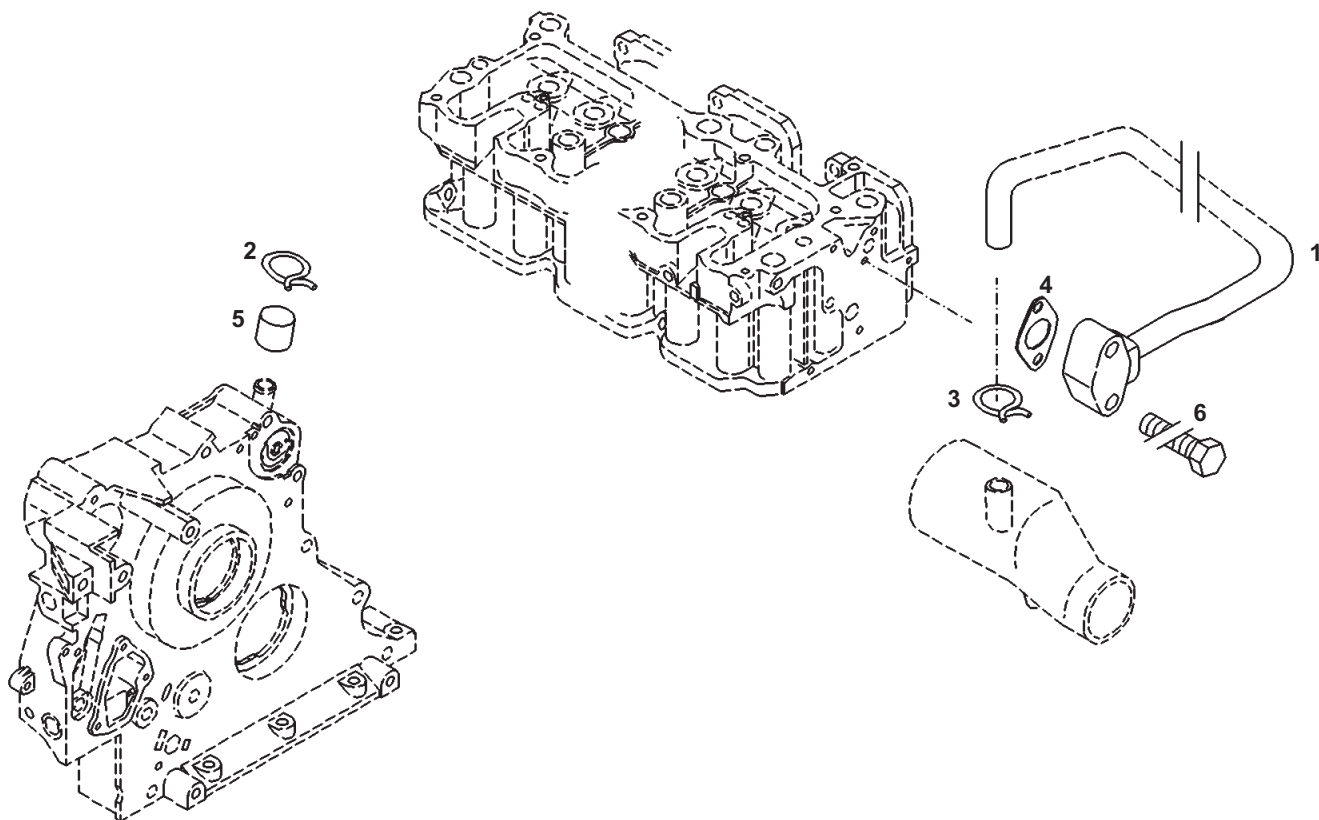
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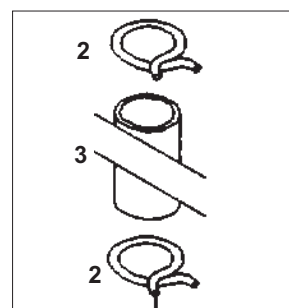
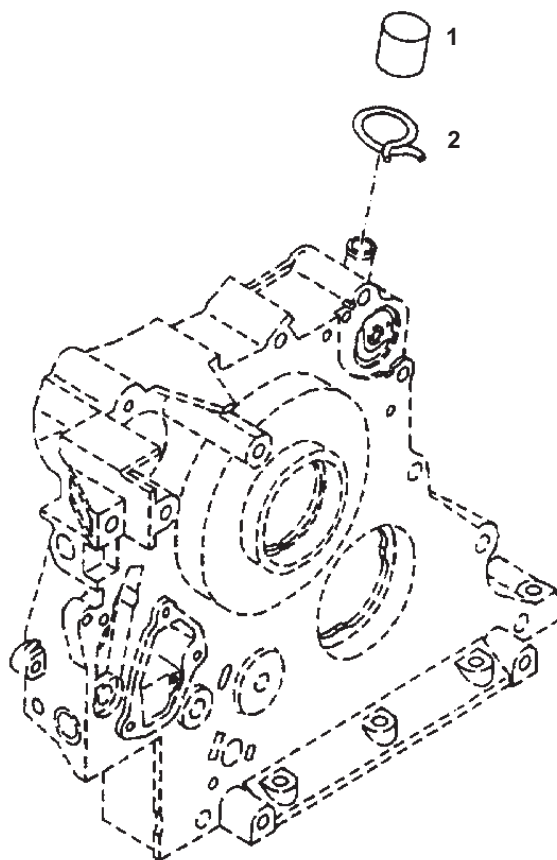
Ref No.	Part No.	Description	Quantity
1	133390	COVER/REAR END	1
2	133204	BOLT/HEX 8X 30MM CLASS 8.8	8
3	133387	SEAL/ROTATION SHAFT LIP	1
4	133100	COMPOUND/PACKING 250 ML	1



Ref No.	Part No.	Description	Quantity	
			F3M/BF3M	F4M/BF4M
1	133555	TUBE/GUIDE	1	-
	187192	TUBE/GUIDE	-	1
2	133556	CLAMP/PIPE	1	1
3	187233	BOLT/TORX HEAD	1	1
4	133134	RING/SEALING	1	1
5	187267	NUT/HEX	1	1
6	187227	BOLT/HEX	1	1
7	133561	BRACKET	1	1
8	135503	DIPSTICK	1	-
	133562	DIPSTICK	-	1

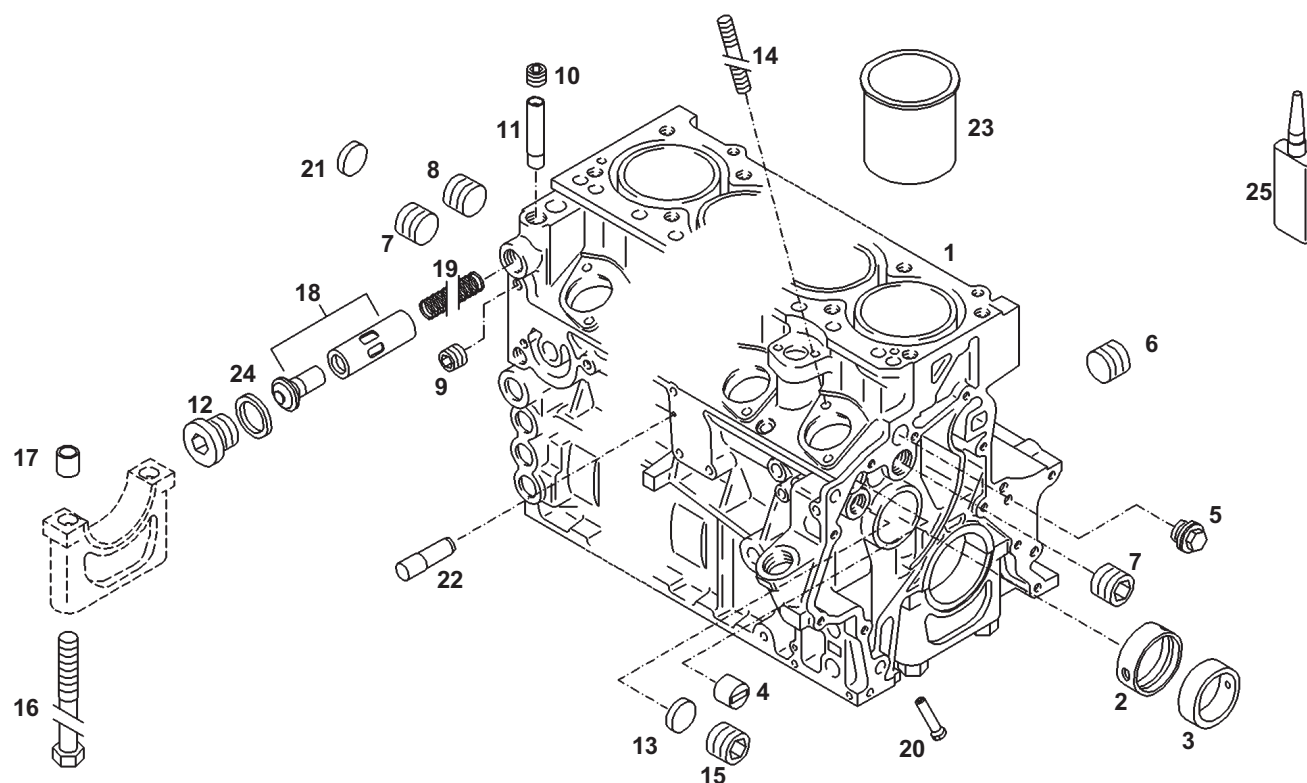


Ref No.	Part No.	Description	Quantity BF4M
1	133552	PIPE/BREATHER	1
2	133202	CLIP/HOSE	1
3	133212	CLIP/HOSE	1
4	133553	GASKET	1
5	133482	CAP	1
6	187221	BOLT/HEX	2

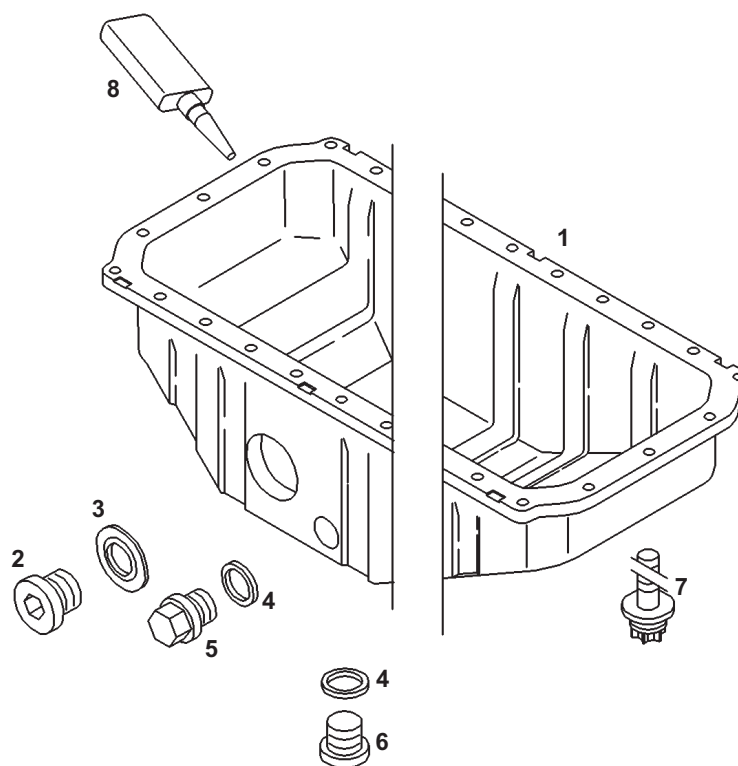


Turbo Engines Only

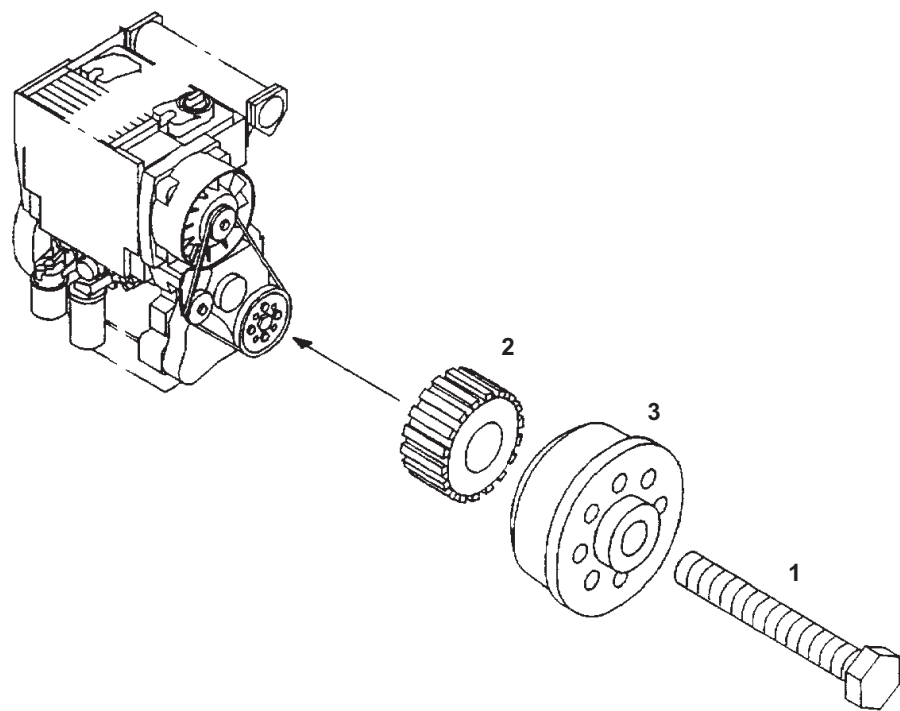
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			F3M/F4M	BF3M
1	135520	CAP	1	-
	133518	PLUG	-	1
2	133202	CLIP/HOSE	1	2
3	133481	HOSE 50MM	-	1



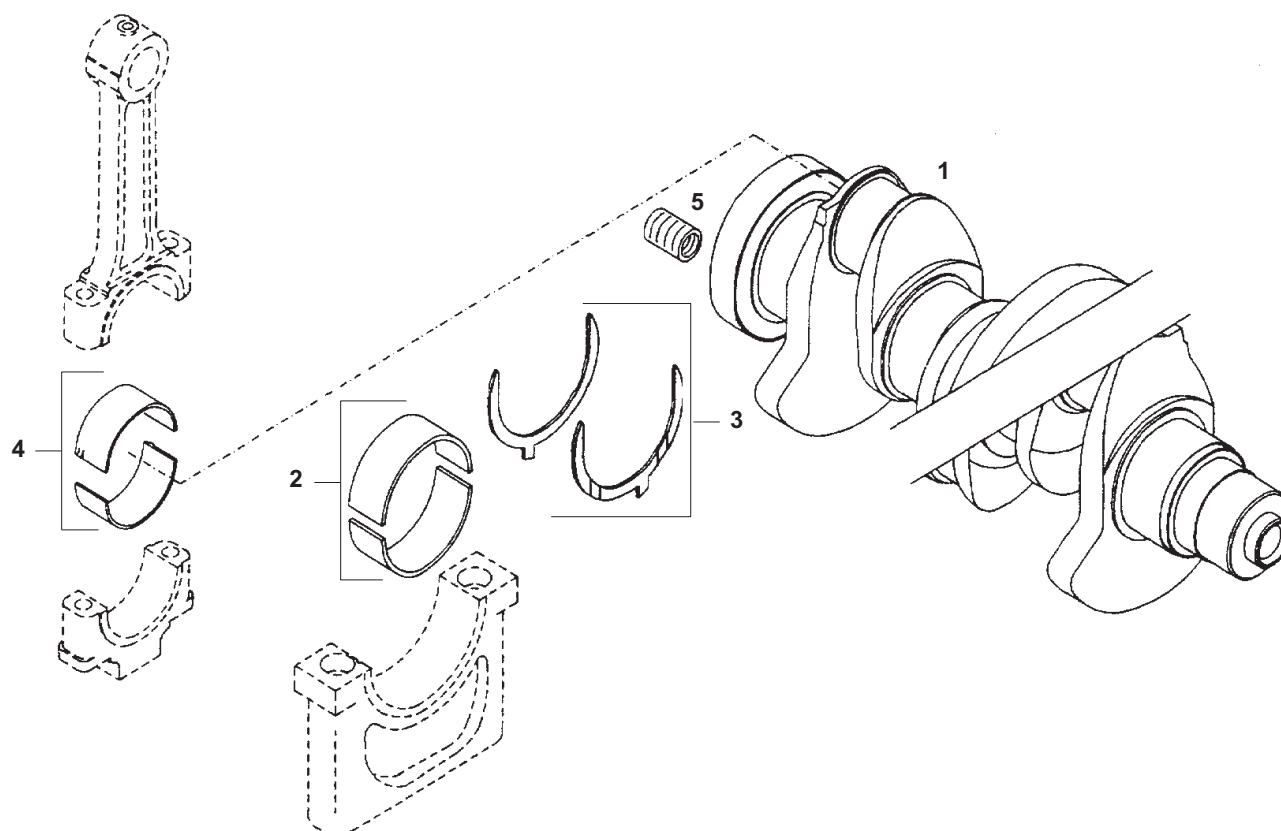
Ref No.	Part No.	Description	Quantity			
			F3M	F4M	BF3M	BF4M
1	135518	BLOCK/ENGINE (INCLUDES ITEMS 2-18)	1	-	-	-
	133436	BLOCK/ENGINE (INCLUDES ITEMS 2-18)	-	1	-	-
	133519	BLOCK/ENGINE (INCLUDES ITEMS 2-18)	-	-	1	-
	133437	BLOCK/ENGINE (INCLUDES ITEMS 2-18)	-	-	-	1
2	133405	BUSHING/WAPPED BEARING	2	2	2	2
3	133404	BUSHING/WAPPED BEARING	2	3	2	3
4	133316	SLEEVE/GUIDE	2	2	2	2
5	133430	PLUG/SCREW	1	1	1	1
6	133536	PLUG/SCREW 12 X 1.5MM	1	1	-	1
	133520	PLUG/SCREW	-	-	2	-
7	133537	PLUG/SCREW	2	2	-	2
8	133538	PLUG/SCREW 14 X 1.5MM	1	1	1	1
9	133539	PLUG/SCREW 10 X 1MM	1	1	1	1
10	133540	PLUG/SCREW 20 X 1.5MM	1	1	1	1
11	133408	TUBE	1	1	1	1
12	133541	PLUG/SCREW	1	1	1	1
13	133166	COVER	1	1	1	1
14	133240	STUD	6	8	6	8
15	133542	PLUG/SCREW 18 X 1.5MM	1	2	2	2
16	133323	BOLT/HEX	8	10	8	10
17	133350	BUSHING	8	10	8	10
18	133473	THERMOSTAT (INCLUDES ITEM 19)	1	1	1	1
19	133411	SPRING/COMPRESSION	1	1	1	1
20	133417	NOZZLE/PISTON COOLING	6	6	6	6
21	187508	COVER	1	1	-	1
	133249	COVER	-	-	1	-
22	133476	PIN	-	1	-	1
23	133543	LINER/CYLINDER	AR	AR	-	AR
24	187243	O-SEAL	1	1	1	1
25	133107	SAFETY/LOCK AGENT 50 ML	AR	AR	AR	AR



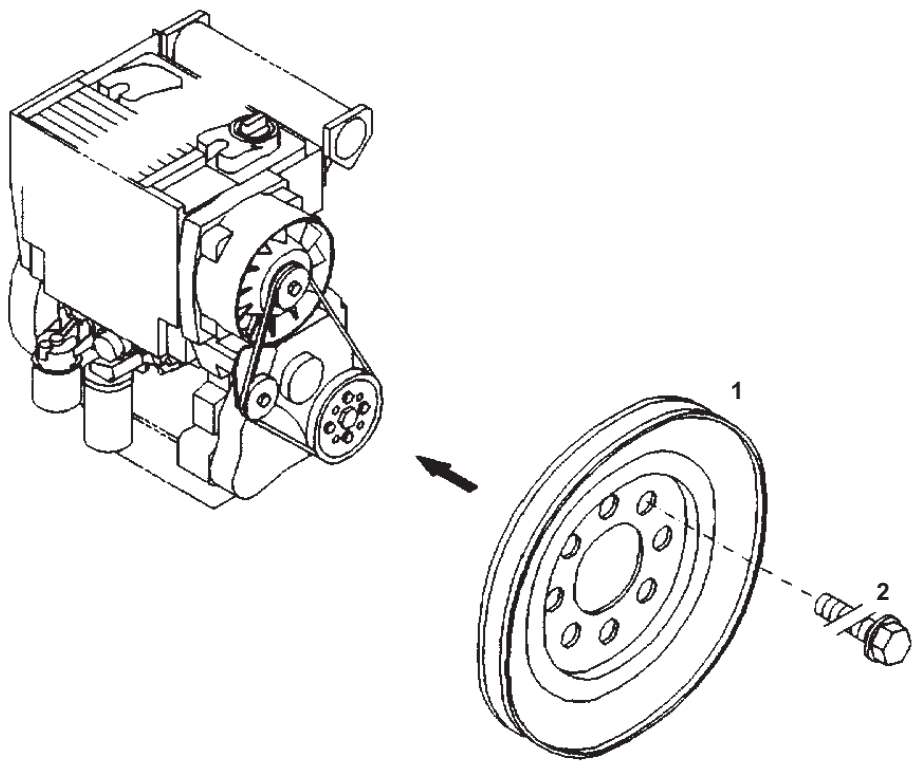
Ref No.	Part No.	Description	Quantity	
			F3M/BF3M	F4M/BF4M
1	187145	PAN/OIL	1	-
	187100	PAN/OIL	-	1
2	187276	PLUG/SCREW	1	1
3	133138	RING/SEALING	1	1
4	133137	RING/SEALING	3	2
5	133149	PLUG/SCREW	2	1
6	187271	PLUG/SCREW	1	1
7	187234	BOLT/TORX HEAD	22	26
8	133104	COMPOUND/PACKING	AR	AR



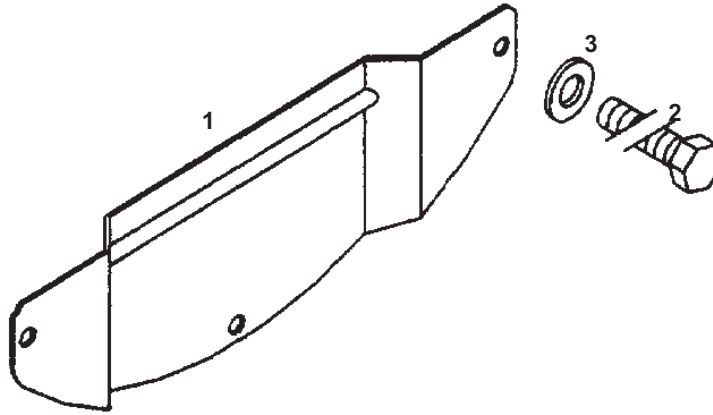
Ref No.	Part No.	Description	Quantity
1	133325	BOLT/HEX	1
2	133370	PULLEY/SYNCHRONOUS BELT	1
3	133381	FLANGE/OUTPUT	1



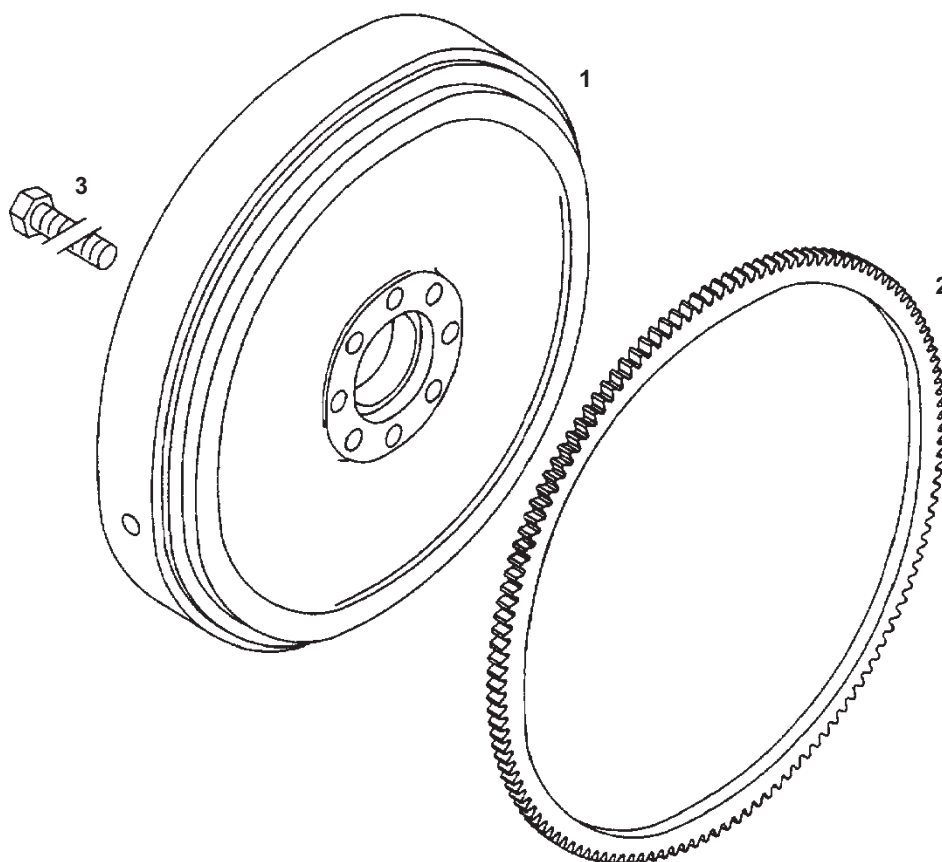
Ref No.	Part No.	Description	Quantity	
			F3M/BF3M	F4M/BF4M
1	133522	CRANKSHAFT (INCLUDES ITEMS 2-4)	1	-
	133486	CRANKSHAFT (INCLUDES ITEMS 2-4)	-	1
2	133487	BEARING/MAIN STANDARD 70MM	4	4
2A	133488	BEARING/MAIN 1ST UNDERSIZE 69.75MM	4	4
2B	133489	BEARING/MAIN 2ND UNDERSIZE 69.50MM	4	4
3	133338	WASHER/THRUST STANDARD 2.4MM	1	1
3A	133339	WASHER/THRUST 1ST OVERSIZE 2.6MM	1	1
4	135531	BEARING/BIG END STANDARD 55MM	3	-
	133490	BEARING/BIG END STANDARD 55MM	-	4
4A	135532	BEARING/BIG END 1ST UNDERSIZE 54.75MM	3	-
	187520	BEARING/BIG END 1ST UNDERSIZE 54.75MM	-	3
4B	135533	BEARING/BIG END 2ND UNDERSIZE 54.50MM	3	-
	187521	BEARING/BIG END 2ND UNDERSIZE 54.50MM	-	3
5	133515	INSERT/THREADED 10 X 1 X 15MM	1	1



Ref No.	Part No.	Description	Quantity			
			F3M	F4M	BF3M	BF4M
1	133508	PULLEY/V-GROOVED	1	-	-	-
	133521	PULLEY/V-GROOVED	-	1	1	1
2	187240	BOLT/HEX	4	4	4	4



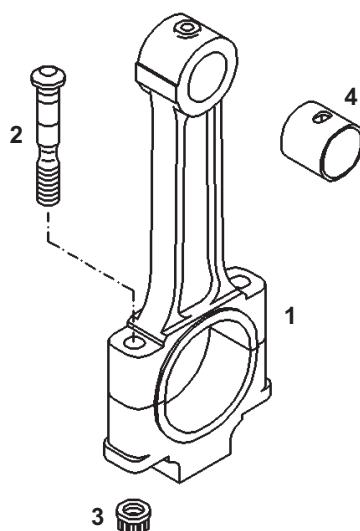
Ref No.	Part No.	Description	Quantity
1	187126	PLATE/COVER	1
2	187127	BOLT/HEX 6 X 10MM CLASS 8.8	3
3	187128	WASHER/PLAIN	3



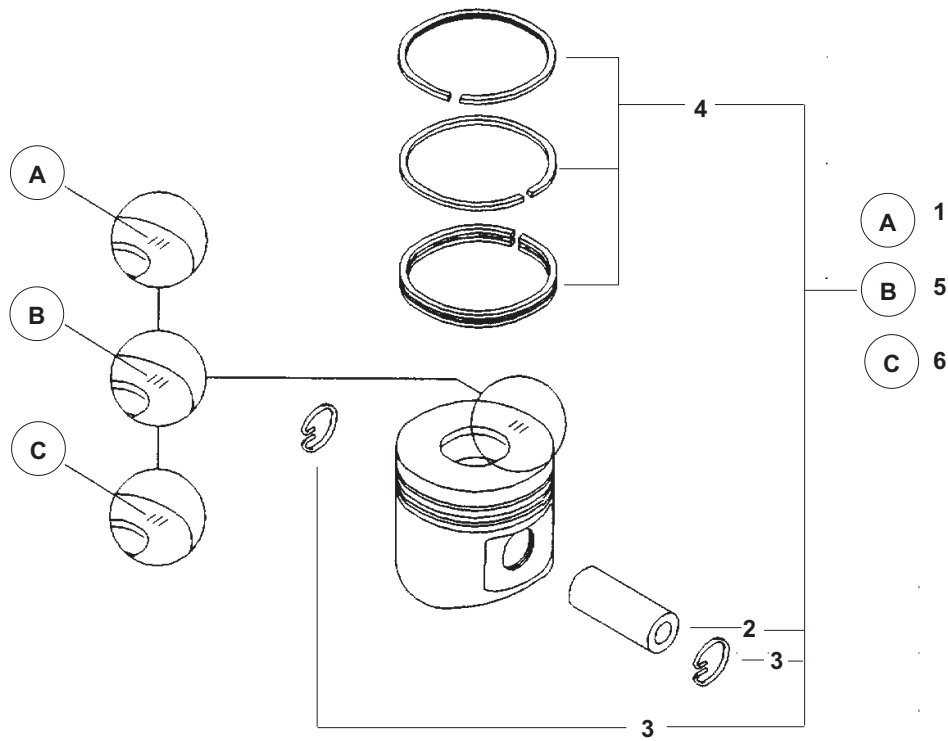
Ref No.	Part No.	Description	Quantity
1	138861a	FLYWHEEL (INCLUDES ITEM 2)	1
	133446b	FLYWHEEL (INCLUDES ITEM 2)	1
2	138860a	RIM/GEAR	1
	133445b	RIM/GEAR	1
3	133335	BOLT/SCREW	8

a) Used in engines with serial number 618098 and later.

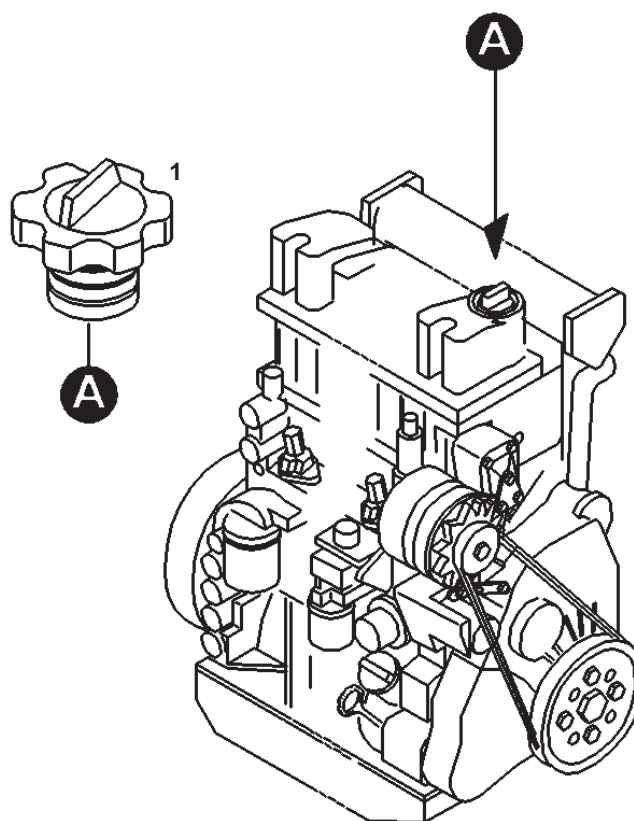
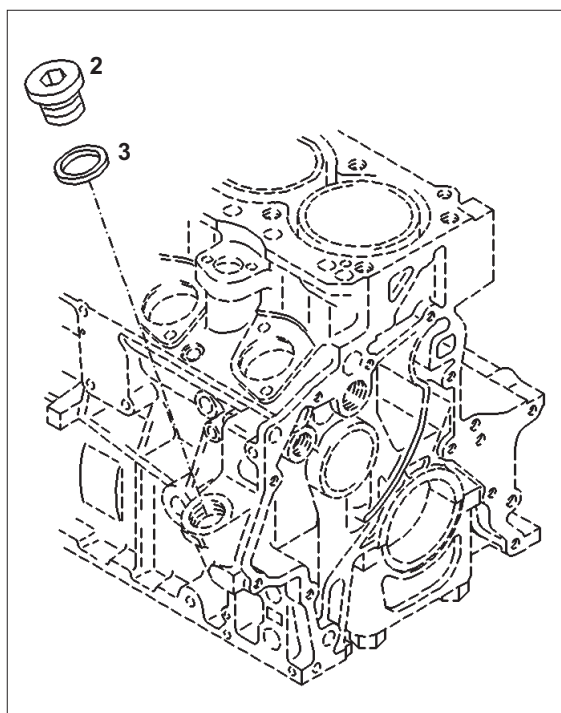
b) Used in engines with serial number 618097 and earlier.



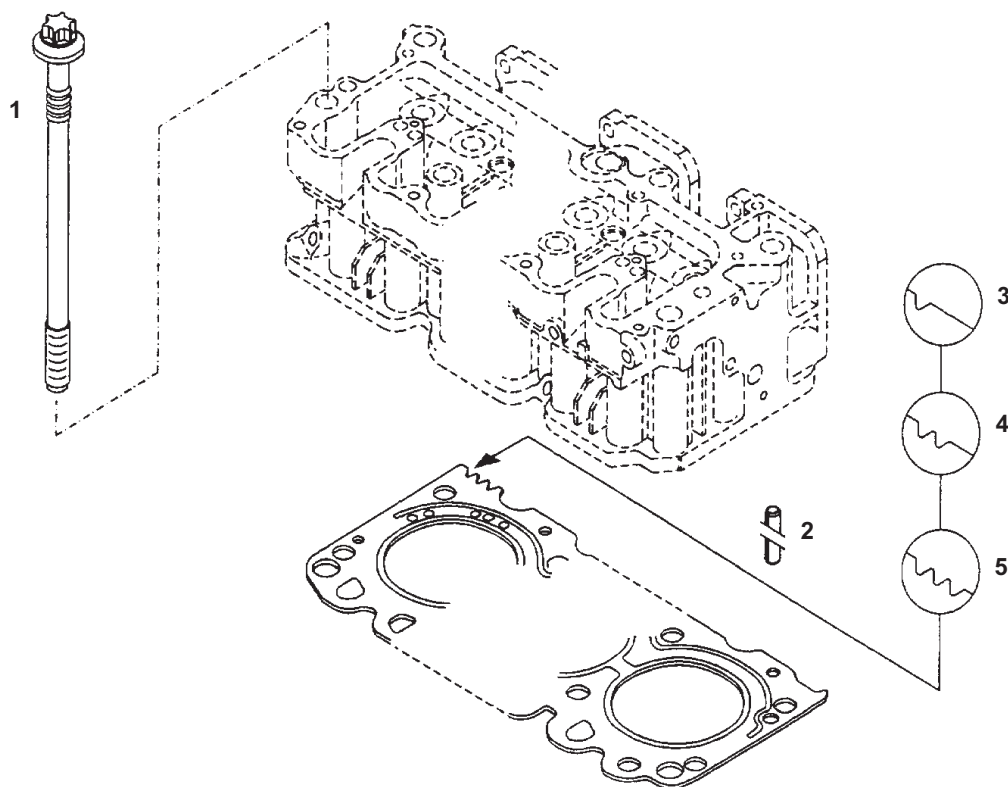
Ref No.	Part No.	Description	Quantity	
			F3M/F4M	BF3M/BF4M
1	133442	ROD/CONNECTING (INCLUDES ITEMS 2-4)	1	-
	133586	ROD/CONNECTING (INCLUDES ITEMS 2-4)	-	1
2	133441	BOLT/BIG END	2	2
3	133318	NUT	2	2
4	133319	BUSHING/BIG END 29.06-29.10MM	1	-
	133357	BUSHING/BIG END 33.07-33.11MM	-	1
4A	133320	BUSHING/BIG END OVERSIZE 29.31-29.35MM	1	-
	133358	BUSHING/BIG END OVERSIZE 33.32-33.36MM	-	1



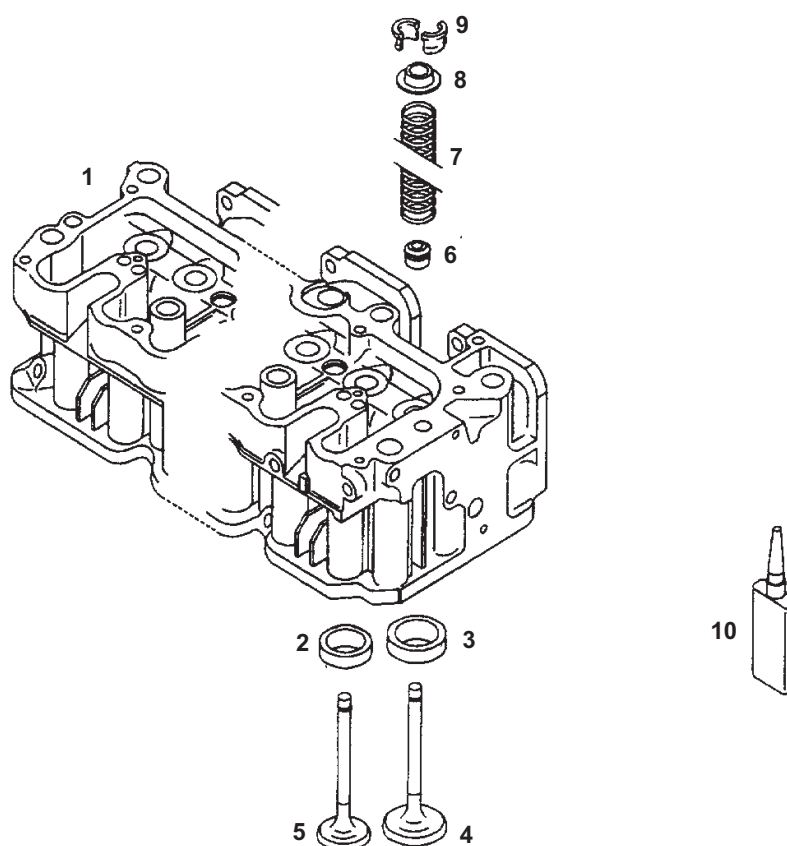
Ref No.	Part No.	Description	Quantity	
			F3M/F4M	BF3M/BF4M
1	135539	PISTON "A"	1	-
	187525	PISTON "A"	-	1
2	133317	PIN/PISTON	1	-
	133369	PIN/PISTON	-	1
3	133157	RING/SNAP	2	-
	133159	RING/SNAP	-	2
4	133455	RINGS/SET OF PISTON	1	-
	133503	RINGS/SET OF PISTON	-	1
5	135540	PISTON "B"	1	-
6	135541	PISTON "C"	1	-



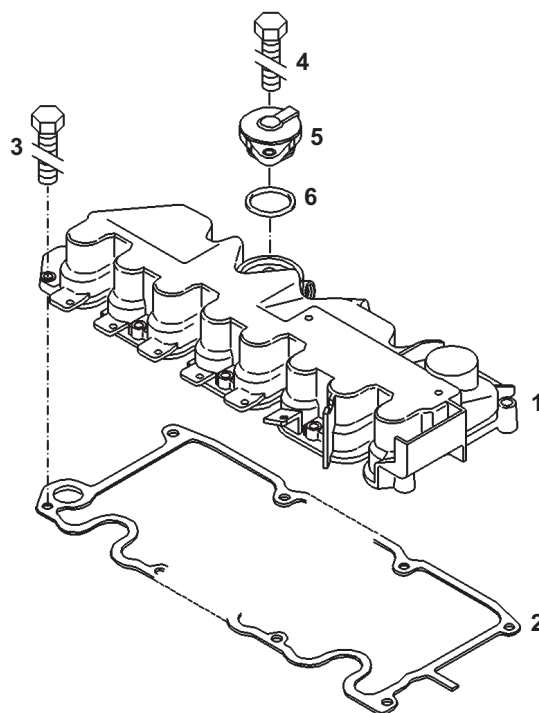
Ref No.	Part No.	Description	Quantity
1	133444	CAP/FILLER	1
2	187132	PLUG/SCREW	1
3	187133	RING/SEALING	1



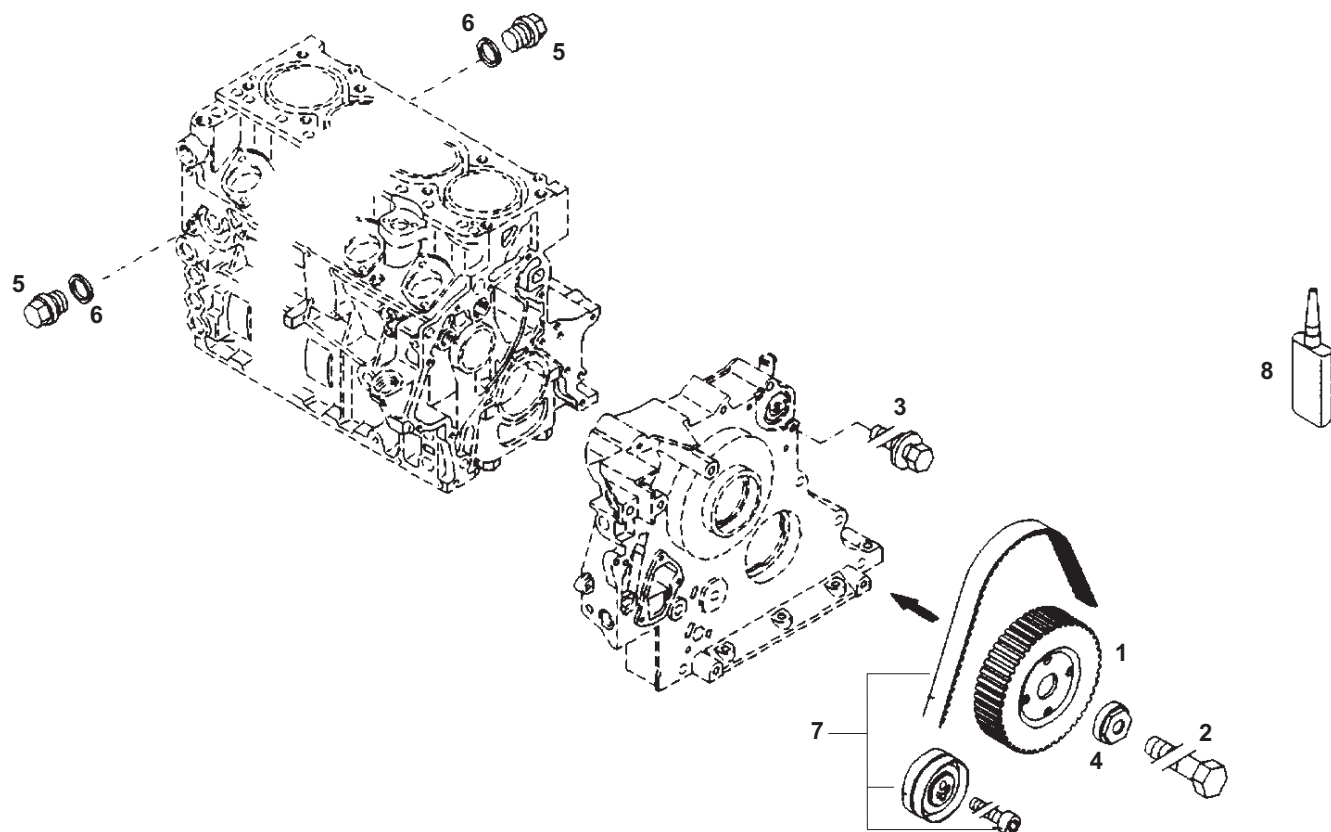
Ref No.	Part No.	Description	Quantity			
			F3M	F4M	BF3M	BF4M
1	135535	BOLT/CYLINDER HEAD	8	10	8	10
2	133427	PIN/SPIRAL	2	2	2	2
3	135544	GASKET/CYLINDER HEAD 1.48MM	1	-	1	-
	133574	GASKET/CYLINDER HEAD 1.48MM	-	1	-	1
4	135543	GASKET/CYLINDER HEAD 1.55MM	1	-	1	-
	133575	GASKET/CYLINDER HEAD 1.55MM	-	1	-	1
5	135542	GASKET/CYLINDER HEAD 1.60MM	1	-	1	-
	133576	GASKET/CYLINDER HEAD 1.60MM	-	1	-	1



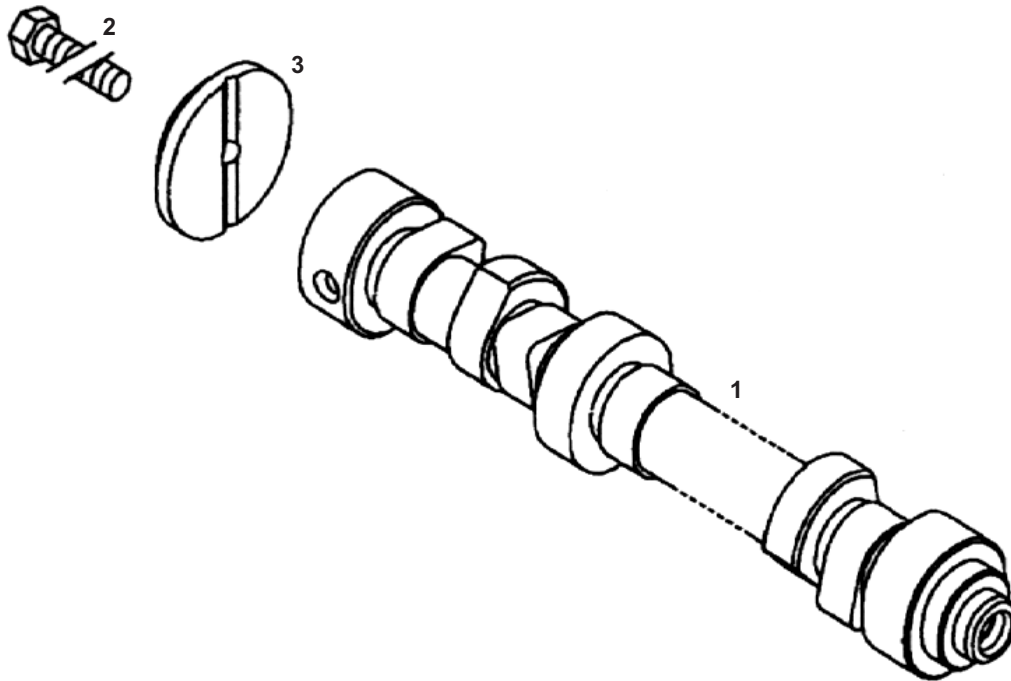
Ref No.	Part No.	Description	Quantity			
			F3M	F4M	BF3M	BF4M
1	187529	HEAD/CYLINDER (INCLUDES ITEMS 2, 3, 4-9)	1	-	-	-
	187530	HEAD/CYLINDER (INCLUDES ITEMS 2, 3, 4-9)	-	1	-	-
	187531	HEAD/CYLINDER (INCLUDES ITEMS 2, 3, 4-9)	-	-	1	-
	187547	HEAD/CYLINDER (INCLUDES ITEMS 2, 3, 4-9)	-	-	-	1
2	133403	INSERT/VALVE SEAT EXHAUST	3	4	3	-
	187147	INSERT/VALVE SEAT EXHAUST	-	-	-	4
2A	133327	INSERT/VALVE SEAT EXHAUST 1ST OVERSIZE 37.27MM	3	4	3	4
3	187528	INSERT/VALVE SEAT INTAKE	3	4	3	-
	187149	INSERT/VALVE SEAT INTAKE	-	-	-	4
3A	133356	INSERT/VALVE SEAT INTAKE 1ST OVERSIZE 42.87MM	3	4	-	-
	187169	INSERT/VALVE SEAT INTAKE 1ST OVERSIZE 42.87MM	-	-	3	4
4	187130	VALVE/INLET	3	4	-	-
	187125	VALVE/INLET	-	-	3	4
5	187146	VALVE/EXHAUST	3	4	3	4
6	133352	SEAL/VALVE STEM	6	8	6	8
7	133456	SPRING/COMPRESSION	6	8	6	8
8	187148	CAP/SPRING	6	8	6	8
9	133322	COLLET/VALVE	12	16	12	16
10	133106	SAFETY/LOCK AGENT 250ML	AR	AR	AR	AR
11	187170	GUIDE/VALVE (NOT SHOWN)	6	8	6	8



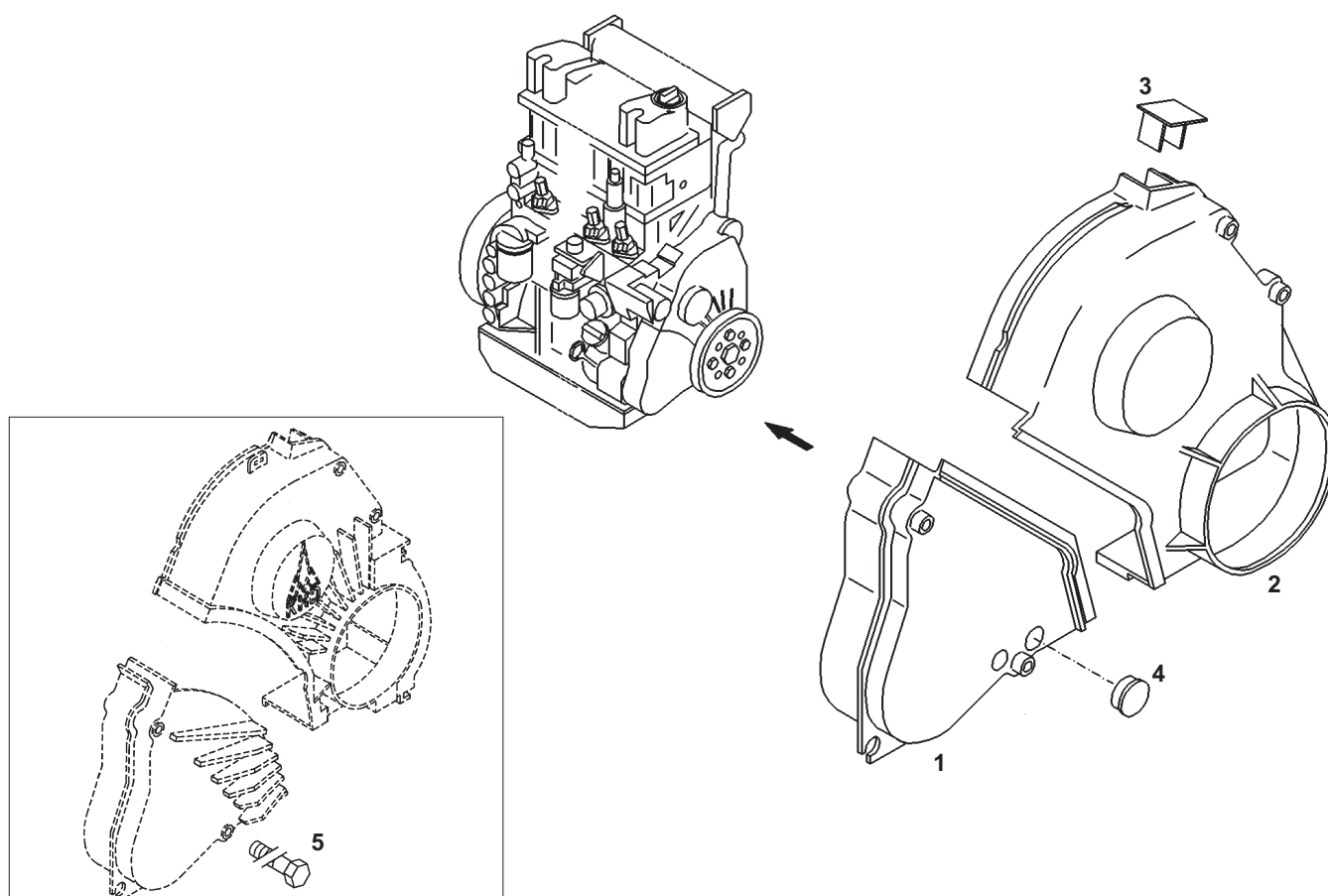
Ref No.	Part No.	Description	Quantity	
			F3M/BF3M	F4M/BF4M
1	135529	COVER/CYLINDER HEAD HARD	1	-
	133565	COVER/CYLINDER HEAD HARD	-	1
2	135528	GASKET	1	-
	133566	GASKET	-	1
3	187264	BOLT/HEX	8	10
4	133163	BOLT/HEX	-	1
5	133426	VALVE/BREATHER	-	1
6	133250	O-SEAL	-	1



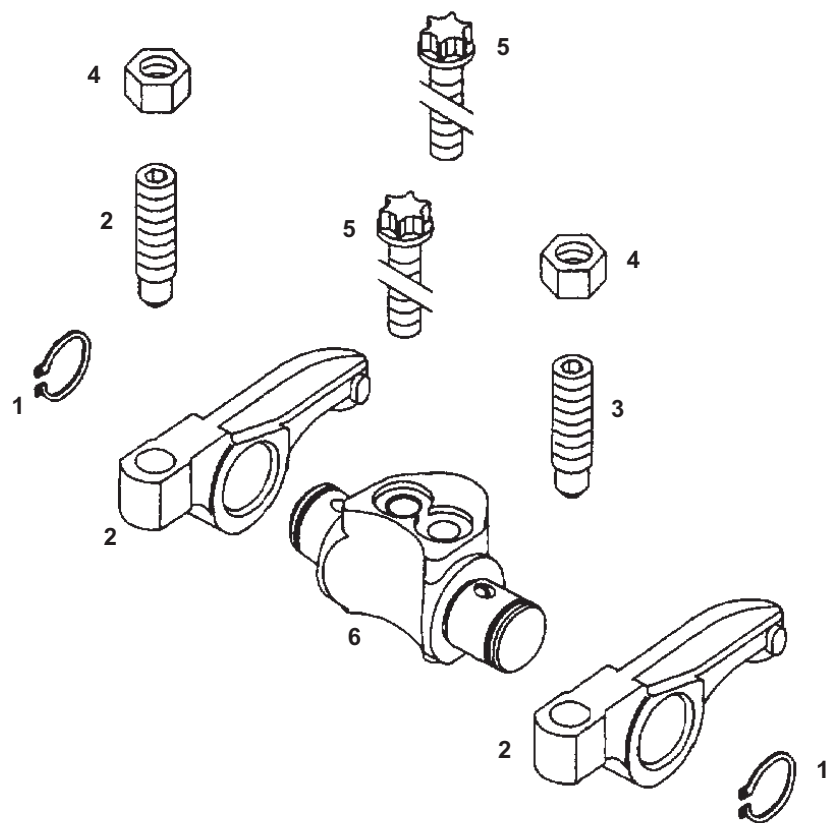
Ref No.	Part No.	Description	Quantity
1	133378	PULLEY/SYNCHRONOUS BELT	1
2	133242	BOLT/HEX 14 X 1.5 X 110MM CLASS 12.9	1
3	187509	BOLT/HEX	11
4	133324	WASHER/PLAIN	1
5	133144	PLUG/SCREW	2
6	133132	RING/SEALING	2
7	135506	KIT/REPAIR	1
8	133103	COMPOUND/PACKING	AR



Ref No.	Part No.	Description	Quantity			
			F3M	F4M	BF3M	BF4M
1	187523	CAMSHAFT	1	-	-	-
	187548	CAMSHAFT	-	1	-	-
	133526	CAMSHAFT	-	-	1	-
	133568	CAMSHAFT	-	-	-	1
2	187209	BOLT/HEX	1	1	1	1
3	133367	WASHER/THRUST	1	1	1	1



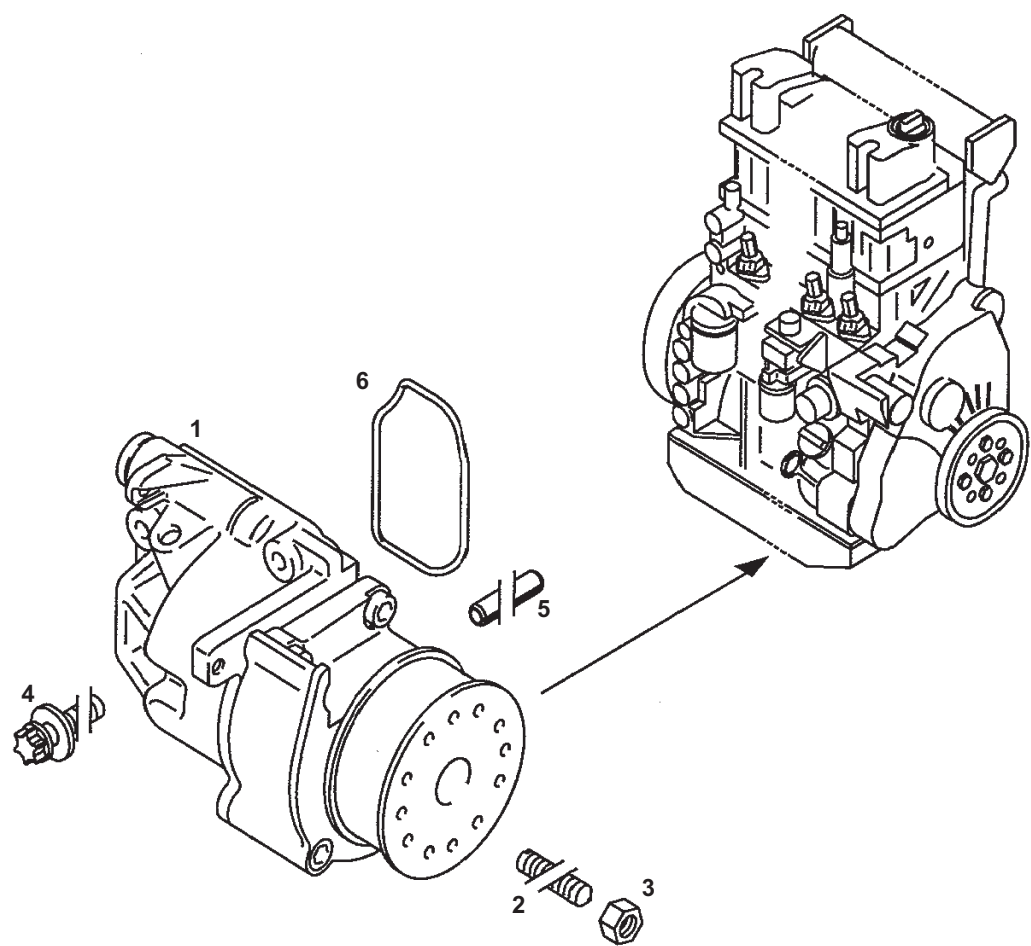
Ref No.	Part No.	Description	Quantity
1	135545	HOOD/PROTECTION (INCLUDES ITEM 4)	1
2	133467	HOOD/PROTECTION	1
3	135534	PLUG	1
4	133216	PLUG	1
5	133145	BOLT/HEX 6 X 70MM CLASS 8.8	4



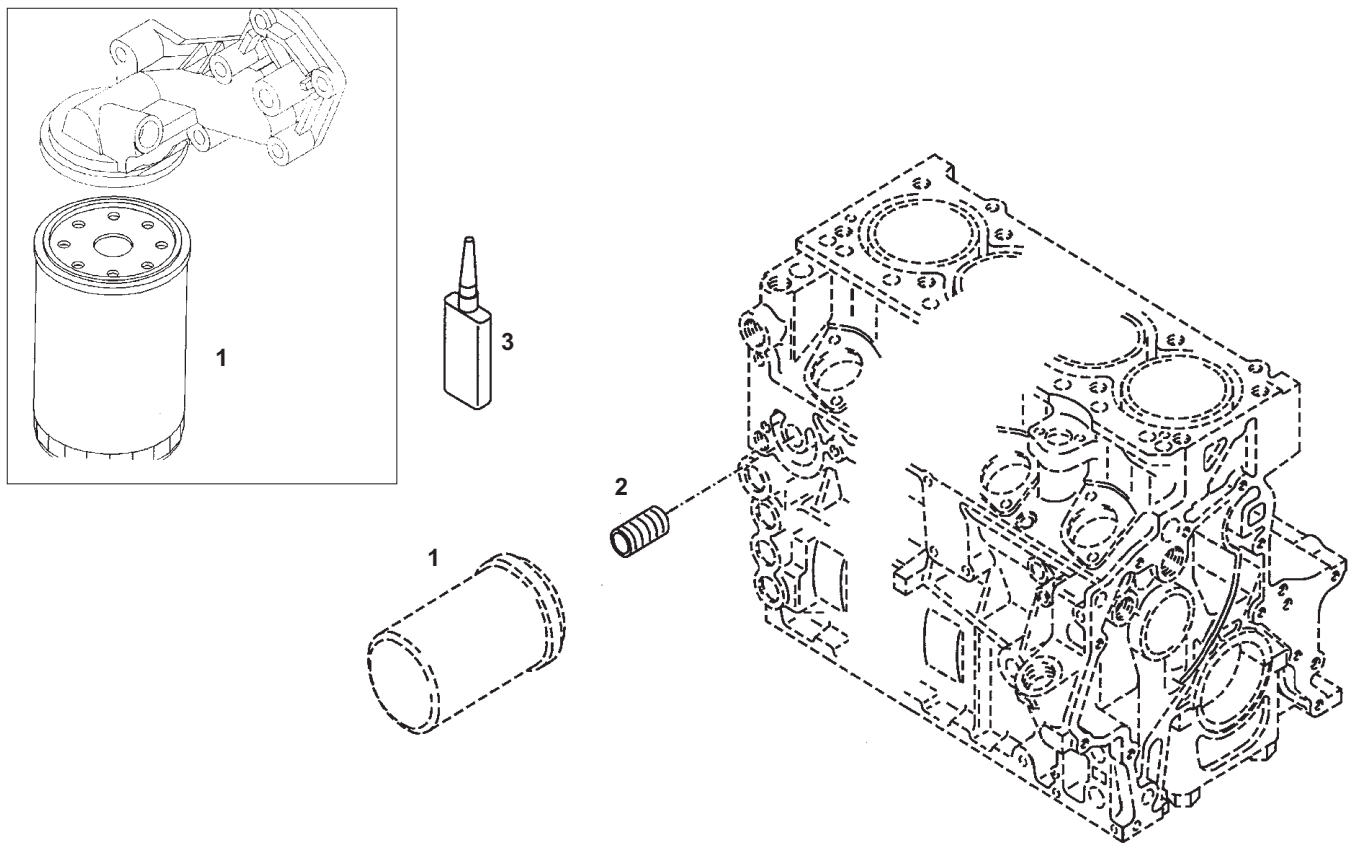
Ref No.	Part No.	Description	Quantity
1	133113	CIRCLIP	2
2	133332	ARM/ROCKER	2
3	133333	SCREW/ADJUSTING	2
4	133334	NUT/HEX	2
5	187237	BOLT/TORX HEAD	2
6	133375	BRACKET/ROCKER ARM (INCLUDES ITEMS 1-4)	1



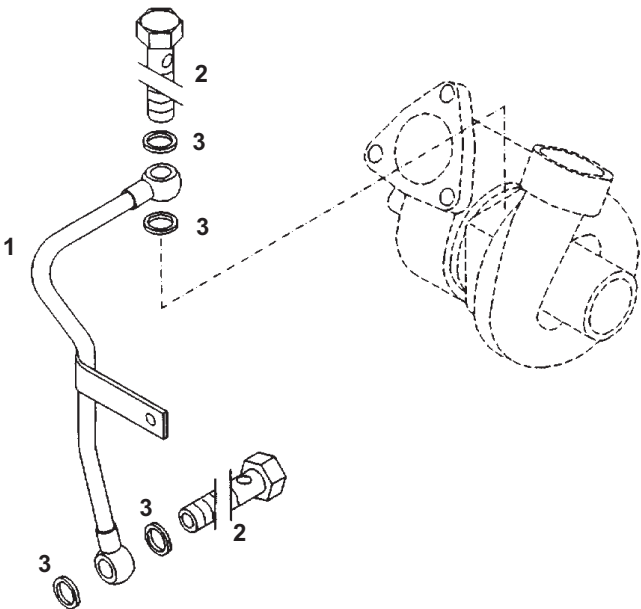
Ref No.	Part No.	Description	Quantity
1	133330	ROD/PUSH	2
2	133402	TAPPET/VALVE	2



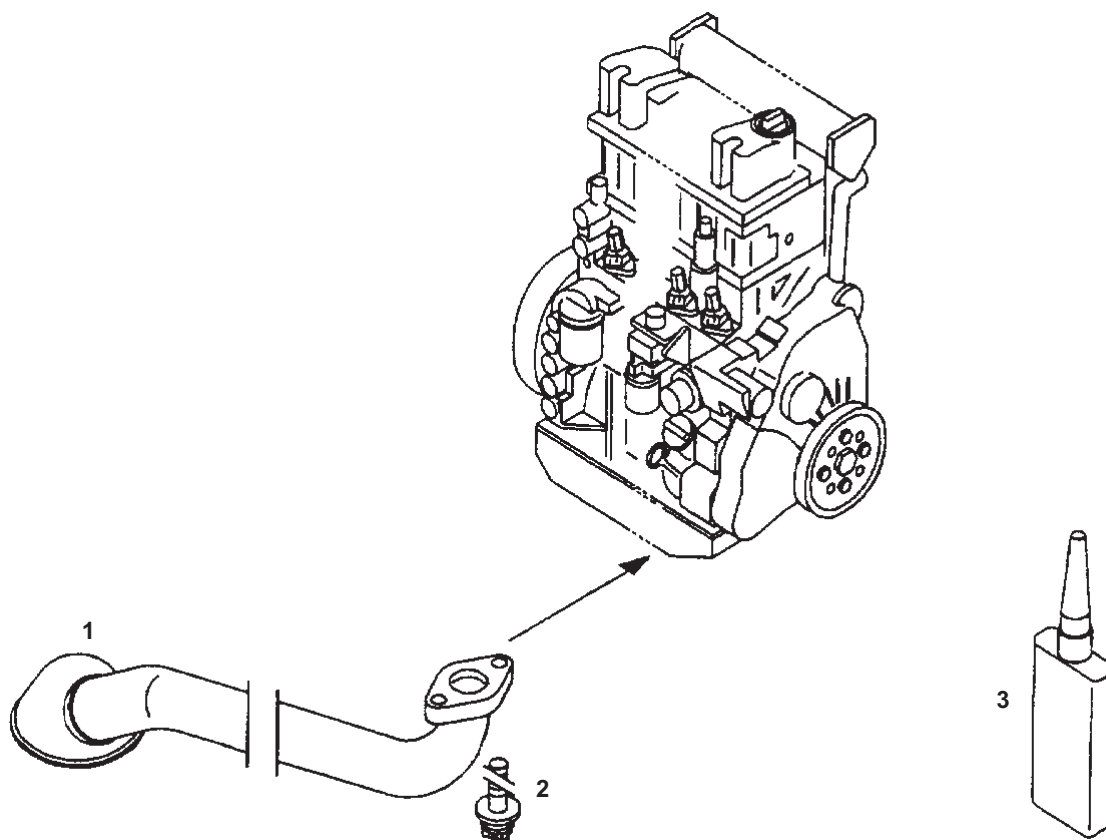
Ref No.	Part No.	Description	Quantity	
			F3M/BF3M	F4M/BF4M
1	135519	PUMP/LUBRICATION OIL (INCLUDES ITEMS 2,3)	1	-
	133439	PUMP/LUBRICATION OIL (INCLUDES ITEMS 2,3)	-	1
2	187266	SCREW/SET	1	1
3	187267	NUT/HEX	1	1
4	187230	BOLT/TORX	4	4
5	133428	PIN/SPIRAL	2	2
6	133440	RING/SEALING	1	1



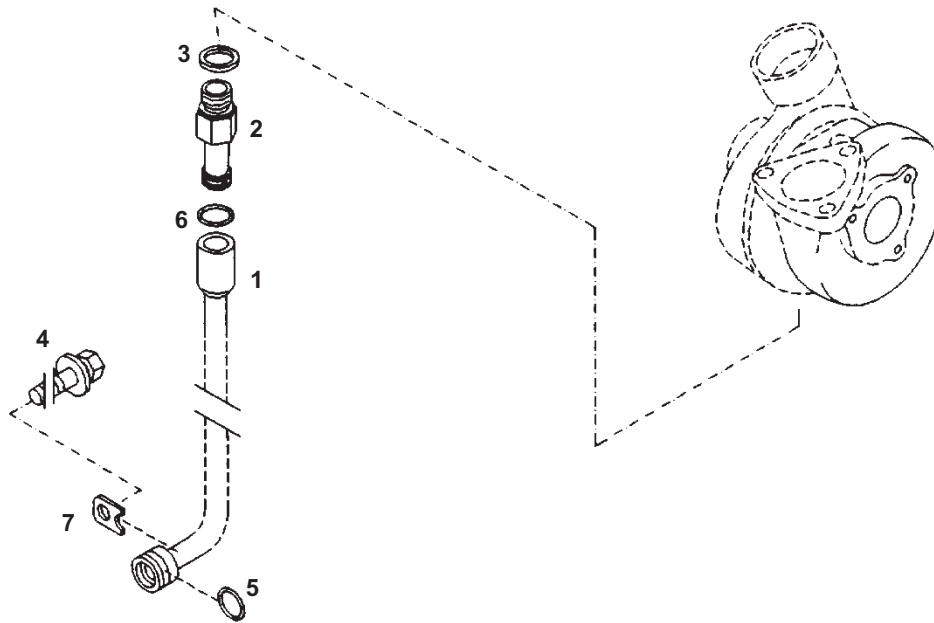
Ref No.	Part No.	Description	Quantity
1	132023	FILTER/SPIN-ON	1
2	133326	BUSHING/SCREWED	1
3	133105	SAFETY/LOCK AGENT 50ML	AR



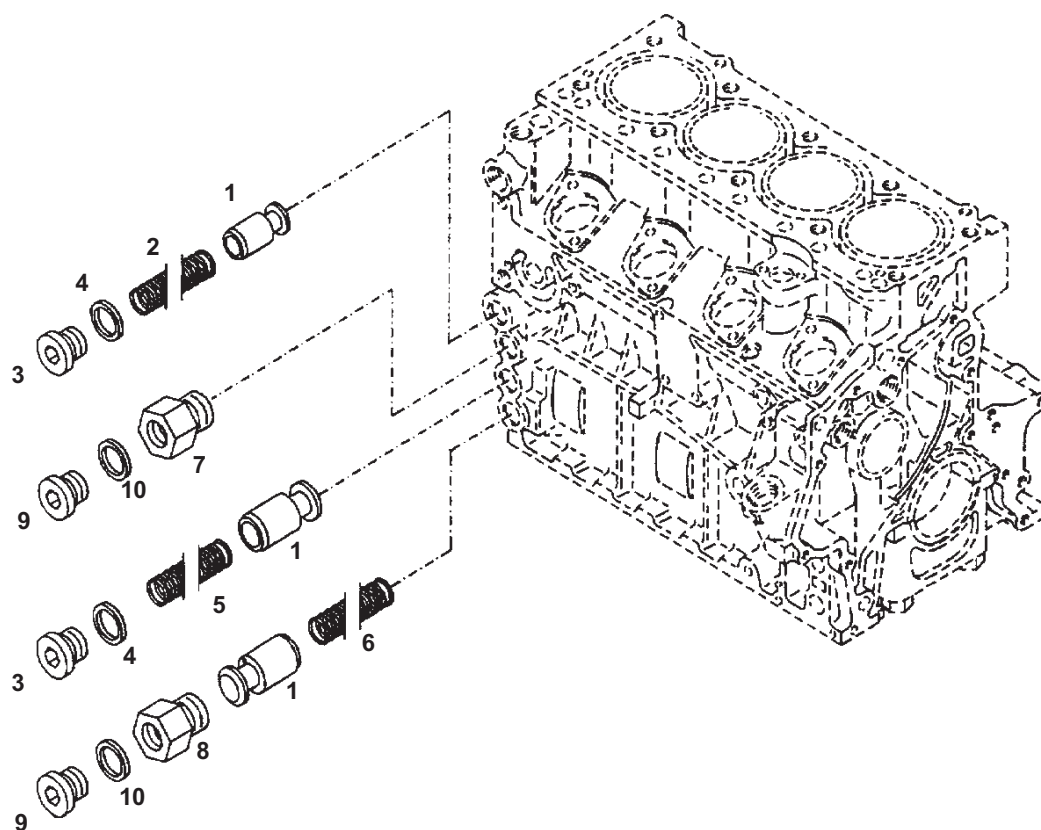
Ref No.	Part No.	Description	Quantity BF3M/BF4M
1	133498	LINE/LUBRICATION OIL	1
2	133141	SCREW/HOLLOW	2
3	133133	RING/SEALING	4



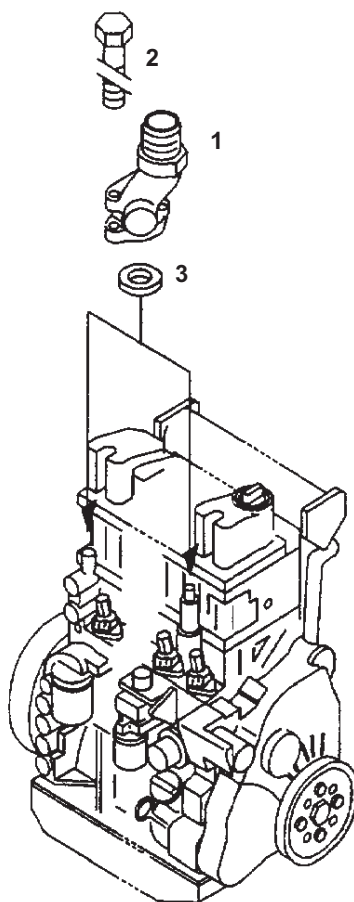
Ref No.	Part No.	Description	Quantity	
			F3M/BF3M	F4M/BF4M
1	135517	PIPE/OIL SUCTION	1	-
	187189	PIPE/OIL SUCTION	-	1
2	187232	BOLT/TORX HEAD 8 X 25MM CLASS 8.8	2	2
3	133103	COMPOUND/PACKING	AR	AR



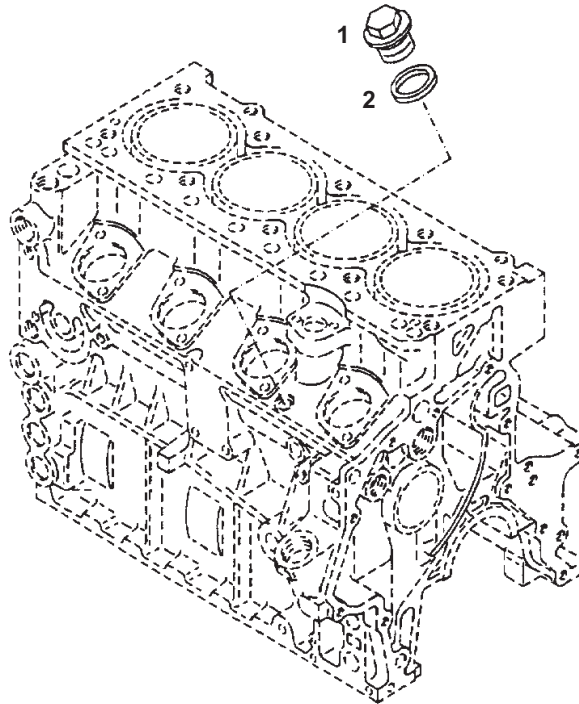
Ref No.	Part No.	Description	Quantity	
			BF3M	BF4M
1	133550	LINE/OIL RETURN	1	-
	133549	LINE/OIL RETURN	-	1
2	133478	NIPPLE/SCREW-IN	1	1
3	133135	RING/SEALING	1	1
4	187235	BOLT/HEX	1	1
5	187222	O-SEAL	1	1
6	133259	O-SEAL	1	1
7	133551	PLATE/RETAINING	1	1



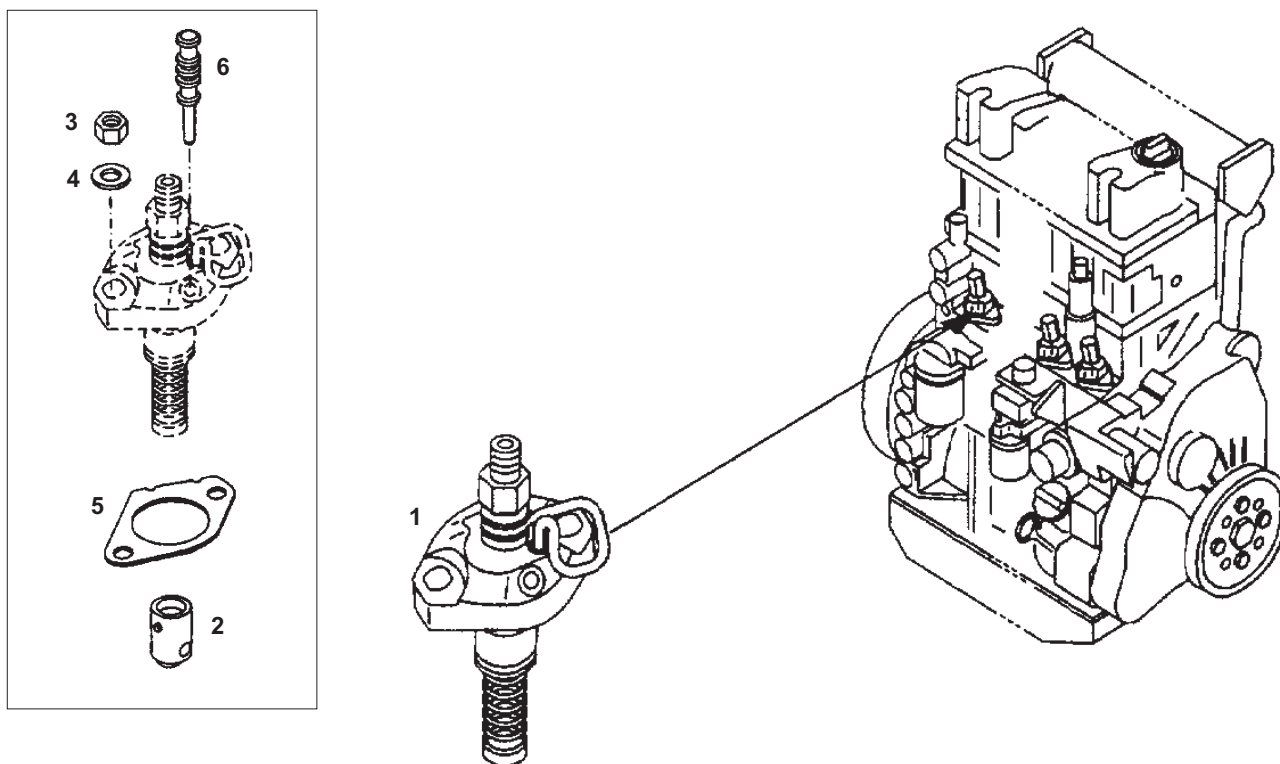
Ref No.	Part No.	Description	Quantity
1	133414	VALVE	3
2	133415	SPRING/COMPRESSION	1
3	133109	PLUG/SCREW 24 X 1.5MM	2
4	133139	RING/SEALING	2
5	133451	SPRING/COMPRESSION	1
6	133416	SPRING/COMPRESSION	1
7	133409	NIPPLE/ADAPTER	1
8	133410	NIPPLE/ADAPTER	1
9	133176	PLUG/SCREW 18 X 1.5MM	2
10	133136	RING/SEALING	2



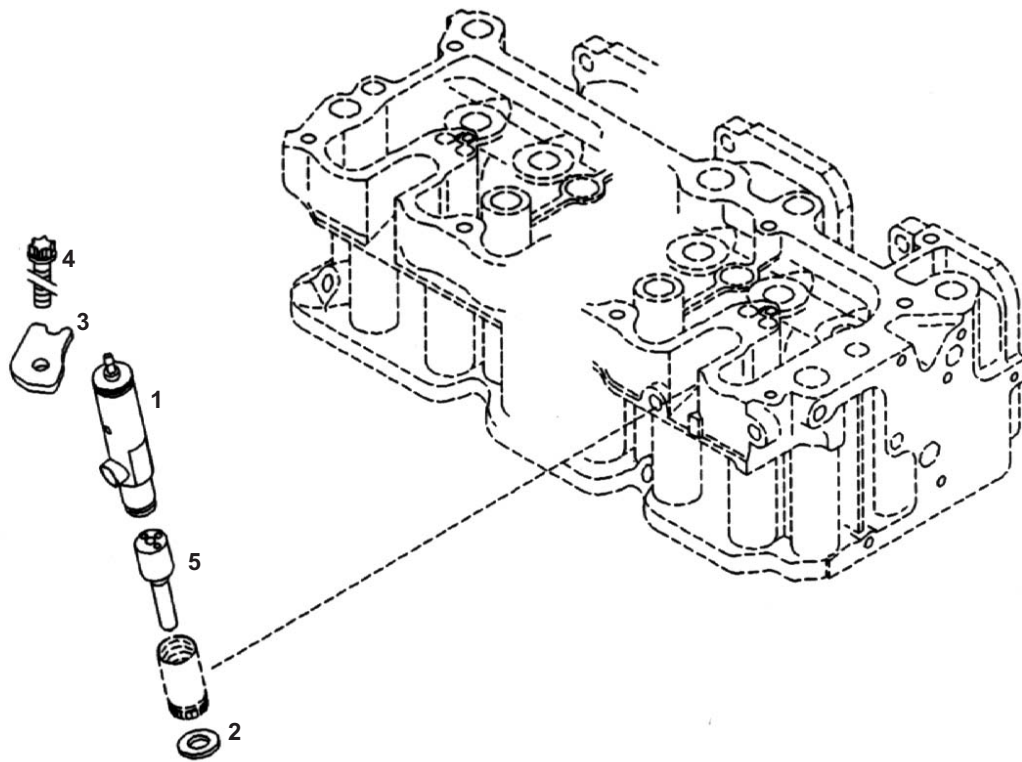
Ref No.	Part No.	Description	Quantity
1	187181	CONNECTION/RADIATOR	2
2	133165	BOLT/HEX 6 X 60MM CLASS 10.9	4
3	133245	RING/SEALING	2



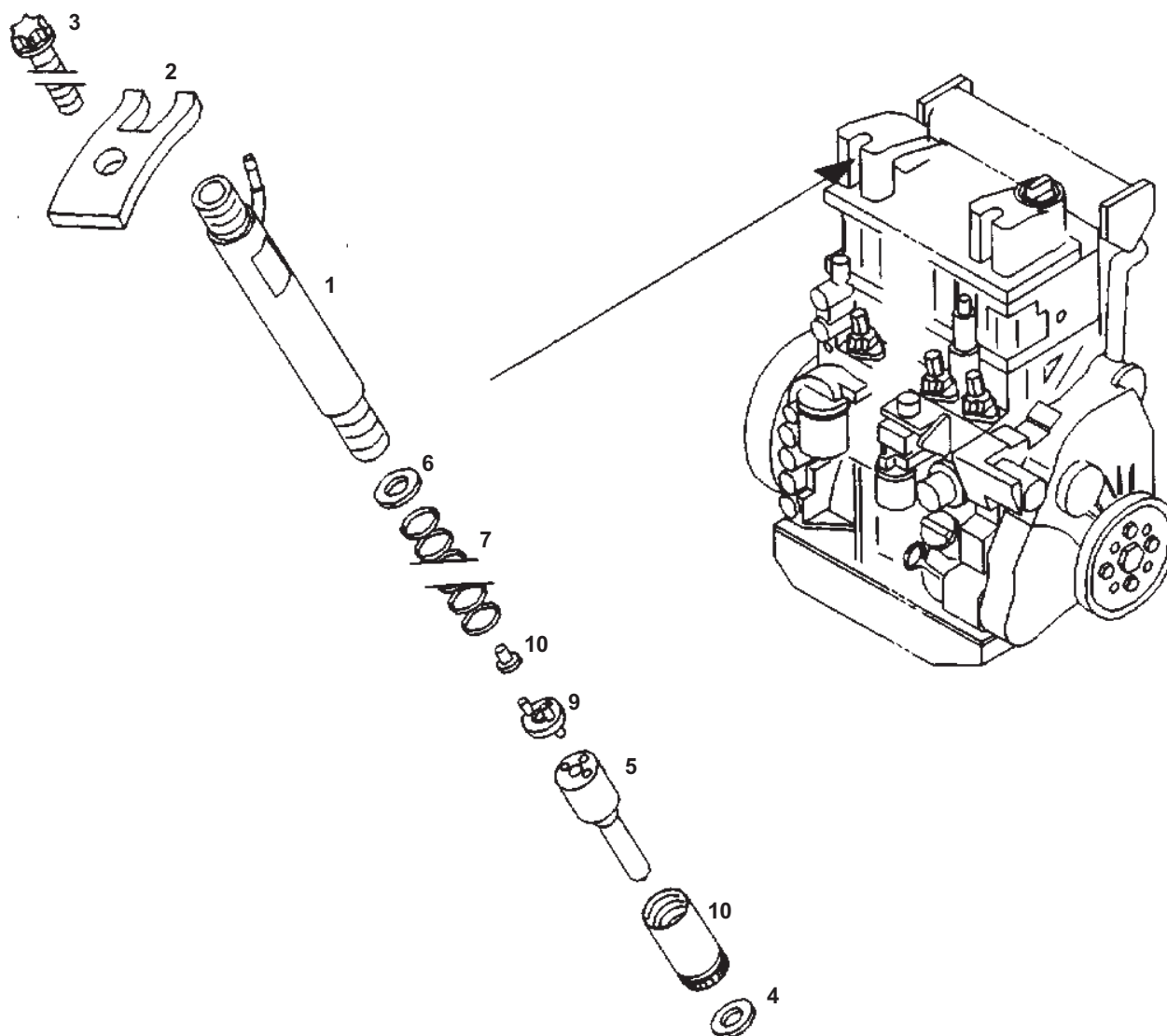
Ref No.	Part No.	Description	Quantity
1	133116	PLUG/SCREW 10 X 1MM	1
2	133132	RING/SEALING	1



Ref No.	Part No.	Description	Quantity	
			F3M/F4M	BF3M/BF4M
1	133589	PUMP/FUEL INJECTION	1	-
	135523	PUMP/FUEL INJECTION	-	1
2	133392	TAPPET/ROLLER	1	1
3	133150	NUT/HEX 8-8MM	2	-
	133126	NUT/HEX	-	2
4	133337	WASHER/PLAIN	2	2
5	133418	GASKET/COMPENSATION 0.4MM	AR	AR
5A	133419	GASKET/COMPENSATION 0.5MM	AR	AR
5B	133420	GASKET/COMPENSATION 0.6MM	AR	AR
5C	133421	GASKET/COMPENSATION 0.7MM	AR	AR
5D	133422	GASKET/COMPENSATION 0.8MM	AR	AR
5E	133423	GASKET/COMPENSATION 0.9MM	AR	AR
5F	133424	GASKET/COMPENSATION 1.0MM	AR	AR
5G	187152	GASKET/COMPENSATION 1.1MM	AR	AR
5H	187151	GASKET/COMPENSATION 1.2MM	AR	AR
6	133438	PLUG	1	1

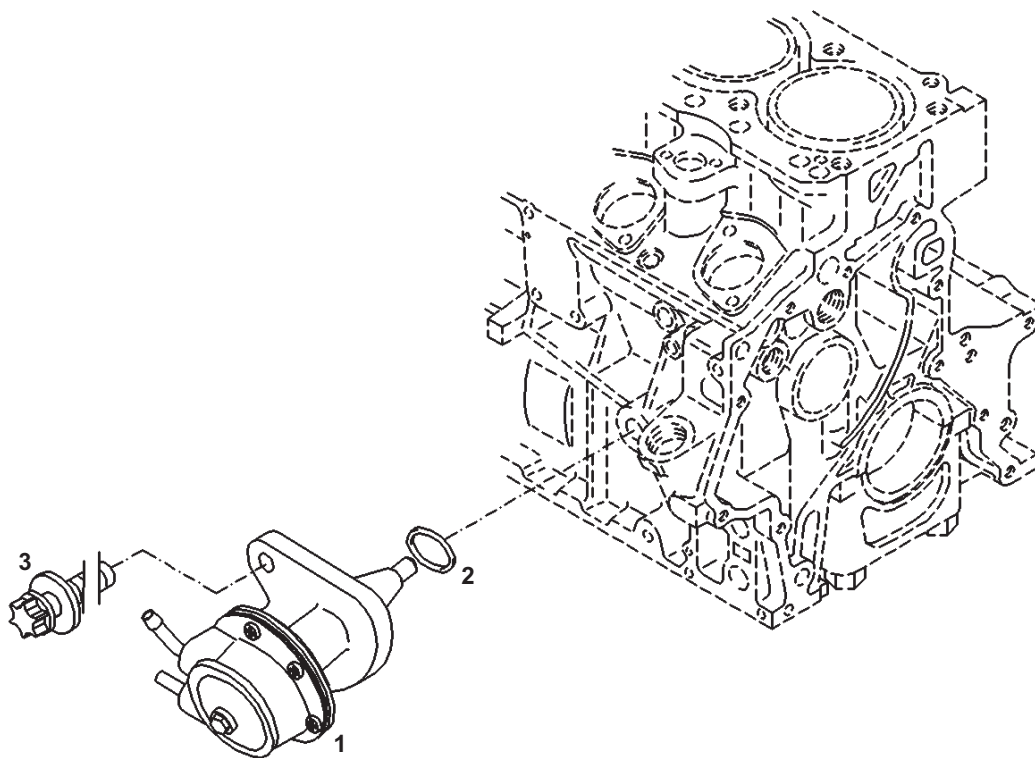


Ref No.	Part No.	Description	Quantity F3M/F4M
1	133590	INJECTOR/FUEL (INCLUDES ITEM 5)	1
2	133391	RING/SEALING	1
3	133591	CLAW	1
4	187226	BOLT/TORX HEAD	1
5	133592	ELEMENT/NOZZLE	1

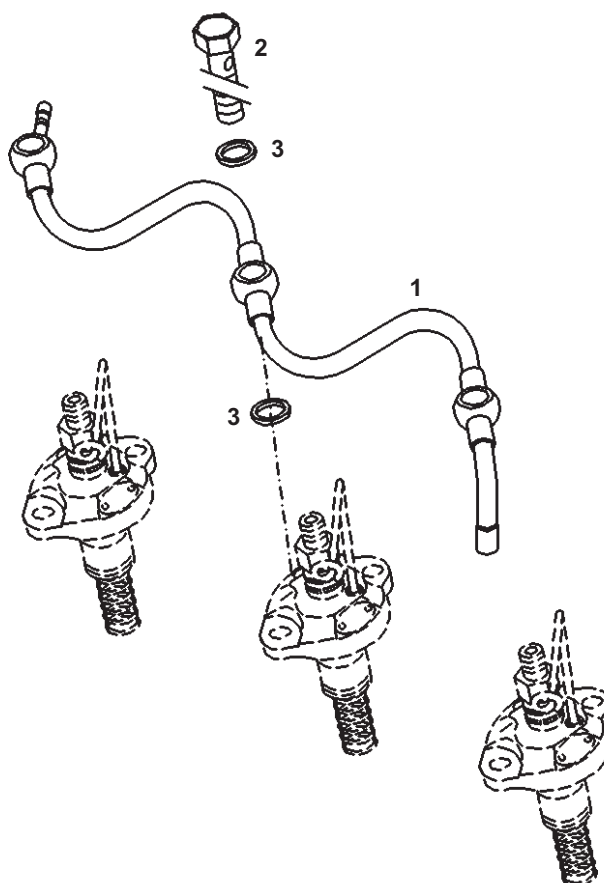


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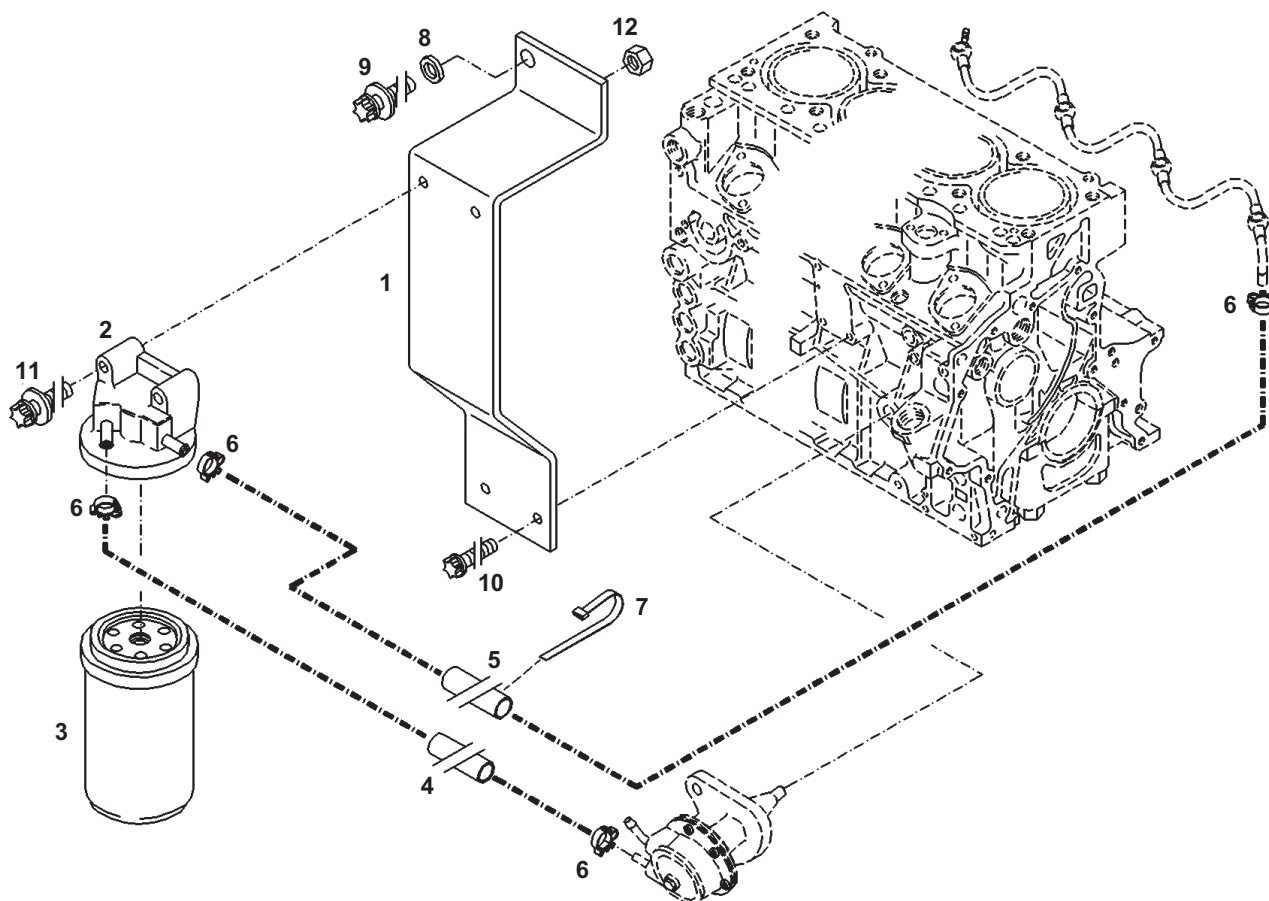
Ref No.	Part No.	Description	Quantity	
			BF3M	BF4M
1	135522	INJECTOR/FUEL (INCLUDES ITEMS 5-10)	1	-
	133398	INJECTOR/FUEL (INCLUDES ITEMS 5-10)	-	1
2	133399	CLAW	1	1
3	187226	BOLT/TORX HEAD	1	1
4	133391	RING/SEALING	1	1
5	133544	ELEMENT/NOZZLE	1	-
	133397	ELEMENT/NOZZLE	-	1
6	133263	SHIM STANDARD 1.00MM	AR	AR
6A	133269	SHIM OVERSIZE 1.04MM	AR	AR
6B	133370	SHIM OVERSIZE 1.08MM	AR	AR
6C	133264	SHIM OVERSIZE 1.10MM	AR	AR
6D	133271	SHIM OVERSIZE 1.14MM	AR	AR
6E	133272	SHIM OVERSIZE 1.18MM	AR	AR
6F	133273	SHIM OVERSIZE 1.20MM	AR	AR
6G	133297	SHIM OVERSIZE 1.22MM	AR	AR
6H	133265	SHIM OVERSIZE 1.24MM	AR	AR
6I	133274	SHIM OVERSIZE 1.28MM	AR	AR
6J	133275	SHIM OVERSIZE 1.30MM	AR	AR
6K	133276	SHIM OVERSIZE 1.34MM	AR	AR
6L	133277	SHIM OVERSIZE 1.38MM	AR	AR
6M	133278	SHIM OVERSIZE 1.40MM	AR	AR
6N	133279	SHIM OVERSIZE 1.44MM	AR	AR
6O	133280	SHIM OVERSIZE 1.48MM	AR	AR
6P	133266	SHIM OVERSIZE 1.50MM	AR	AR
6Q	133281	SHIM OVERSIZE 1.54MM	AR	AR
6R	133282	SHIM OVERSIZE 1.58MM	AR	AR
6S	133283	SHIM OVERSIZE 1.60MM	AR	AR
6T	133284	SHIM OVERSIZE 1.64MM	AR	AR
6U	133285	SHIM OVERSIZE 1.68MM	AR	AR
6V	133286	SHIM OVERSIZE 1.70MM	AR	AR
6W	133267	SHIM OVERSIZE 1.74MM	AR	AR
6X	133287	SHIM OVERSIZE 1.78MM	AR	AR
6Y	133288	SHIM OVERSIZE 1.80MM	AR	AR
6Z	133289	SHIM OVERSIZE 1.84MM	AR	AR
6AA	133290	SHIM OVERSIZE 1.88MM	AR	AR
6AB	133291	SHIM OVERSIZE 1.90MM	AR	AR
6AC	133292	SHIM OVERSIZE 1.94MM	AR	AR
6AD	133268	SHIM OVERSIZE 1.98MM	AR	AR
7	133293	SPRING/COMPRESSION	1	1
8	133294	BOLT/THRUST	1	1
9	133295	SPACER	1	1
10	133296	NUT/NOZZLE CAP	1	1



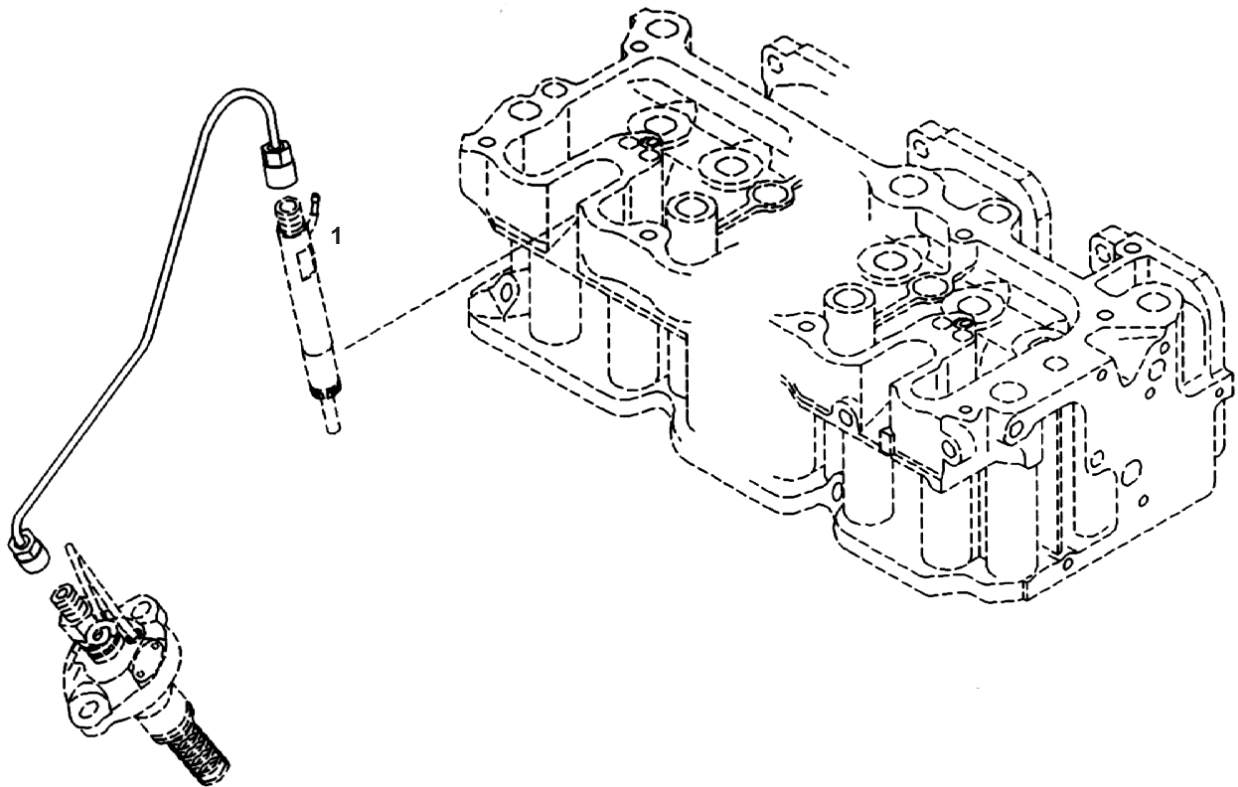
Ref No.	Part No.	Description	Quantity
1	187546	PUMP/FUEL SUPPLY	1
2	133218	O-SEAL	1
3	187233	BOLT/TORX HEAD	2



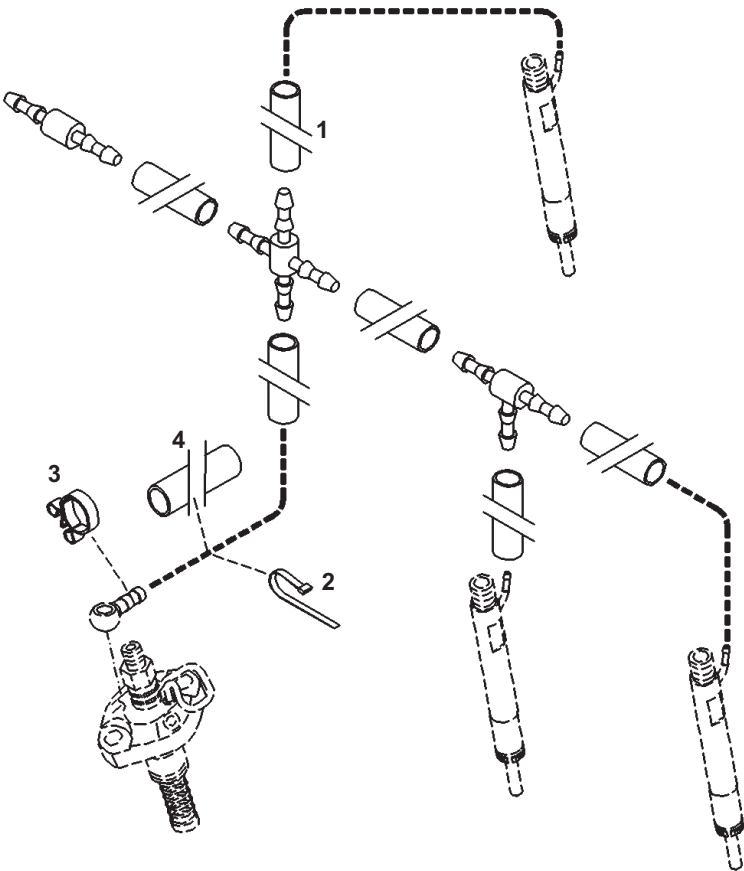
Ref No.	Part No.	Description	Quantity	
			F3M/BF3M	F4M/BF4M
1	187543	LINE/FUEL	1	-
	187544	LINE/FUEL	-	1
2	133141	SCREW/HOLLOW	3	4
3	187511	RING/SEALING	6	8



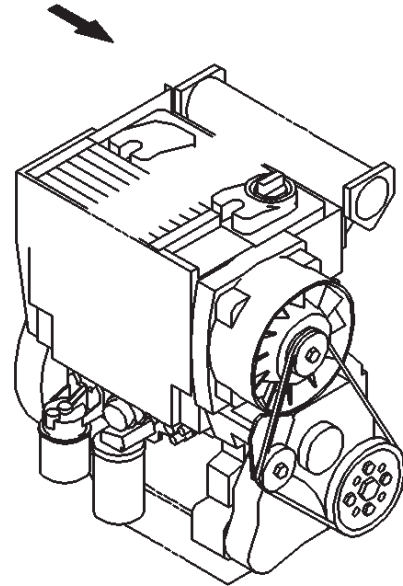
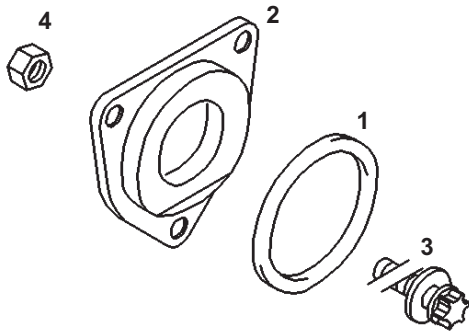
Ref No.	Part No.	Description	Quantity
1	187191	BRACKET	1
2	133429	BRACKET	1
3	132024	FILTER/SPIN-ON FUEL	1
4	133308	RUBBER/HOSE 390MM	1
5	133308	RUBBER/HOSE 460MM	1
6	133243	CLIP/HOSE	4
7	187173	BAND/CLAMPING	1
8	187174	WASHER/PLAIN	1
9	187233	BOLT/TORX-HEAD	1
10	187506	BOLT/TORX-HEAD	1
11	187229	BOLT/TORX-HEAD	2
12	187177	NUT/HEX	2



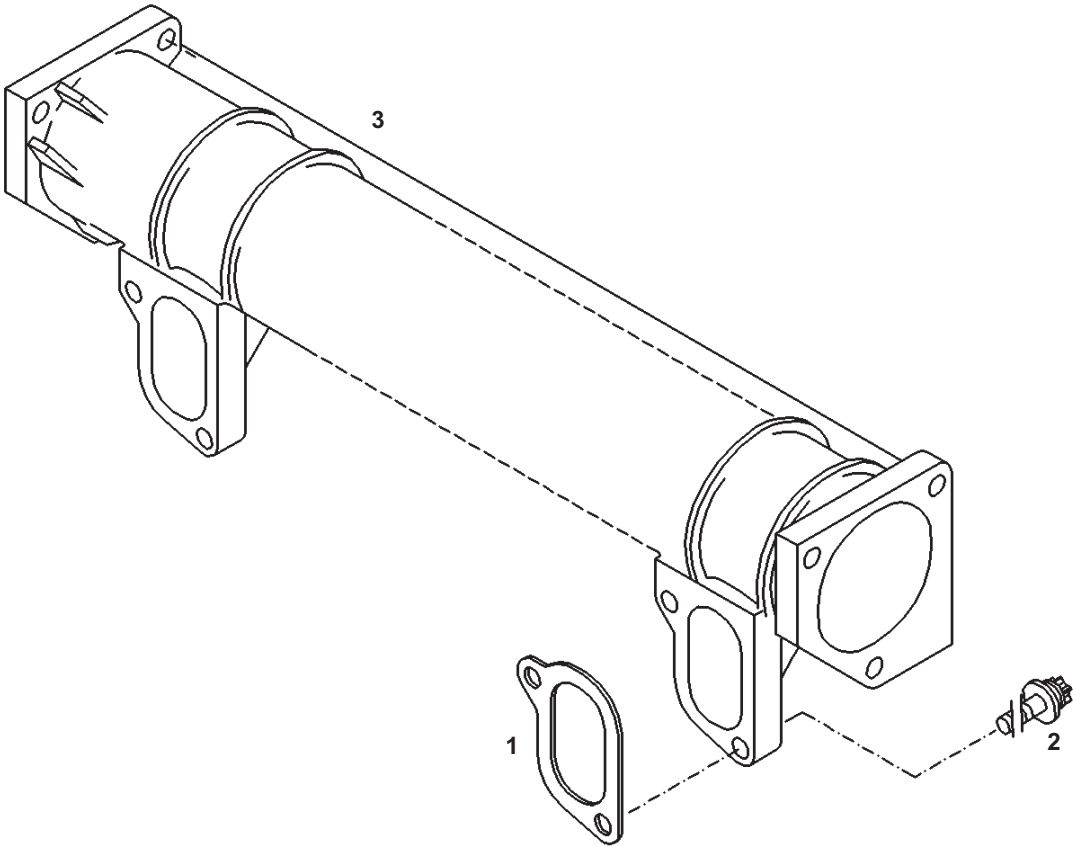
Ref No.	Part No.	Description	Quantity
1	133585	PIPE/HIGH PRESSURE	1



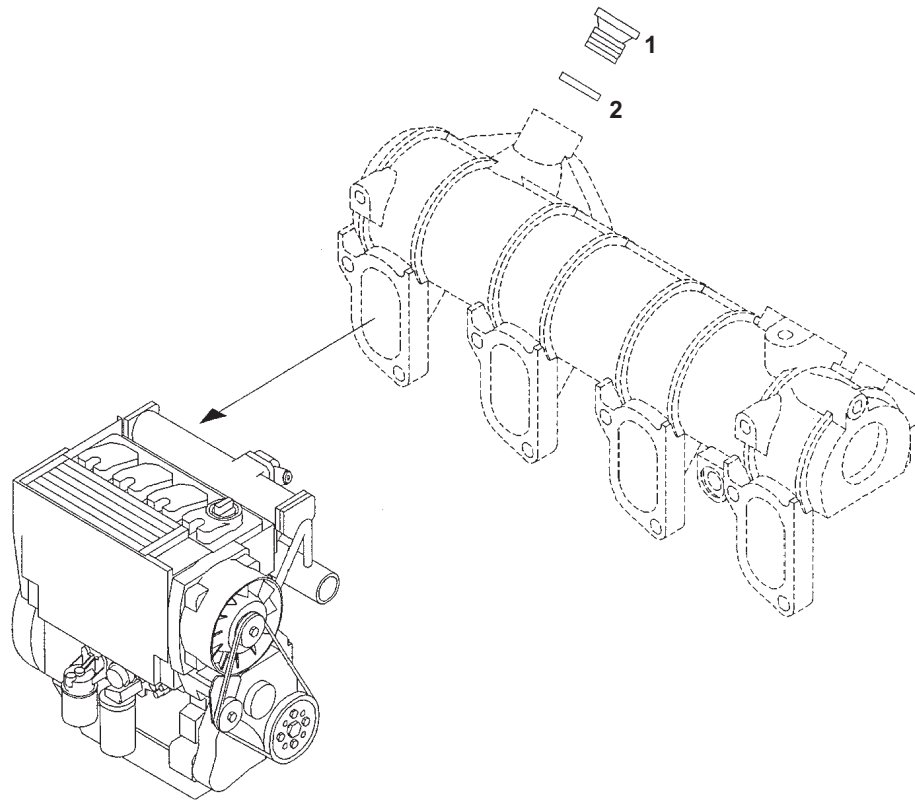
Ref No.	Part No.	Description	Quantity	
			F3M/BF3M	F4M/BF4M
1	133596	ASSEMBLY/OVERFLOW LINE (INCLUDES ITEMS 2-4)	1	-
	133580	ASSEMBLY/OVERFLOW LINE (INCLUDES ITEMS 2-4)	-	1
2	133244	BAND/CLAMPING	1	1
3	133583	CLIP/HOSE	1	1
4	187514	HOSE	1	1



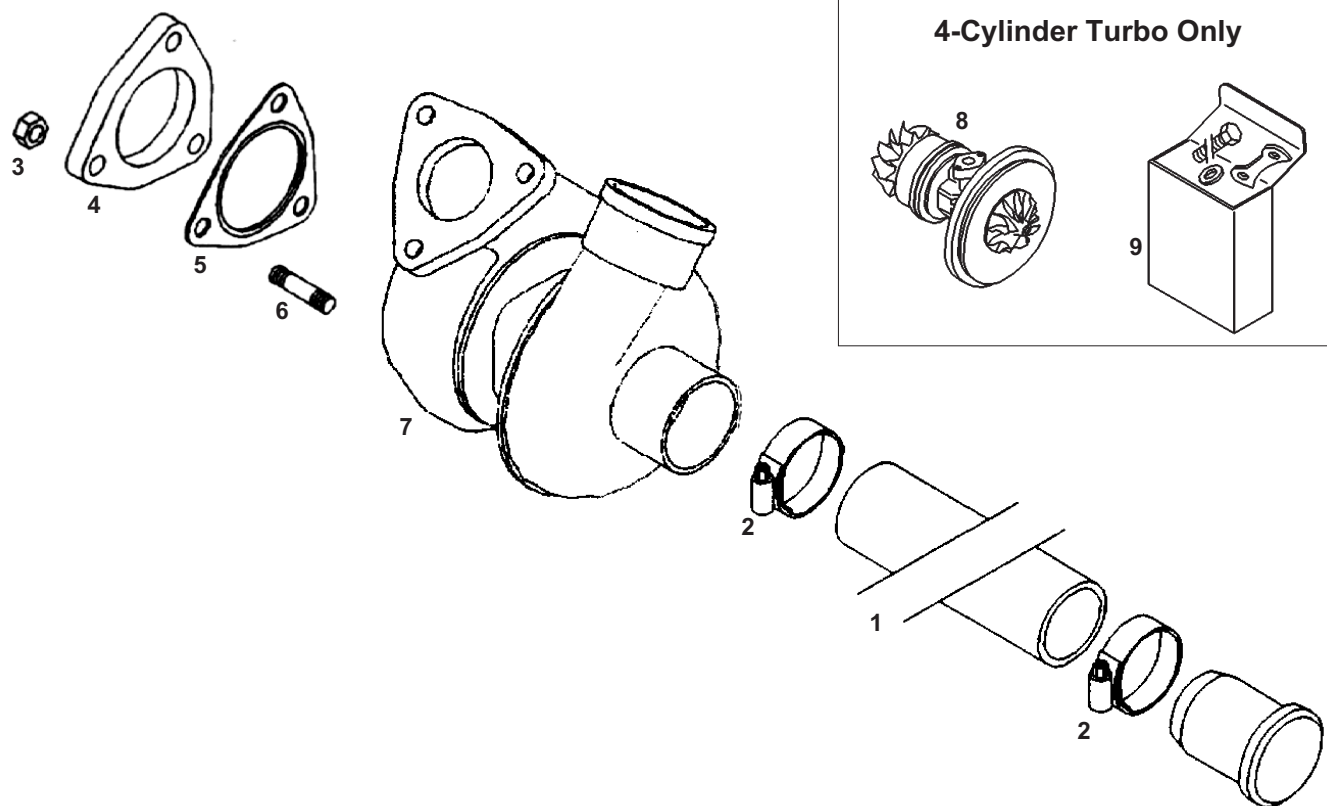
Ref No.	Part No.	Description	Quantity
1	187250	O-SEAL	1
2	187199	FLANGE	1
3	187248	NUT/TORX-HEAD	1
4	133126	NUT/HEX	1



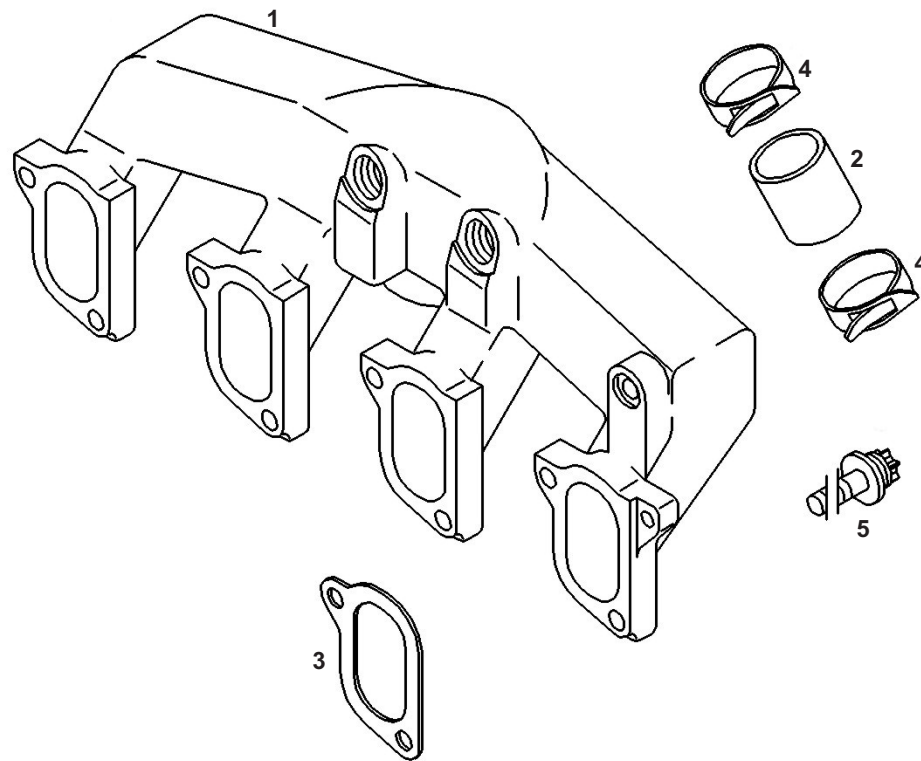
Ref No.	Part No.	Description	Quantity	
			F3M	F4M
1	133463	GASKET	3	4
2	135500	BOLT/TORX-HEAD	6	8
3	187166	MANIFOLD/INTAKE	1	-
4	187167	MANIFOLD/INTAKE	-	1



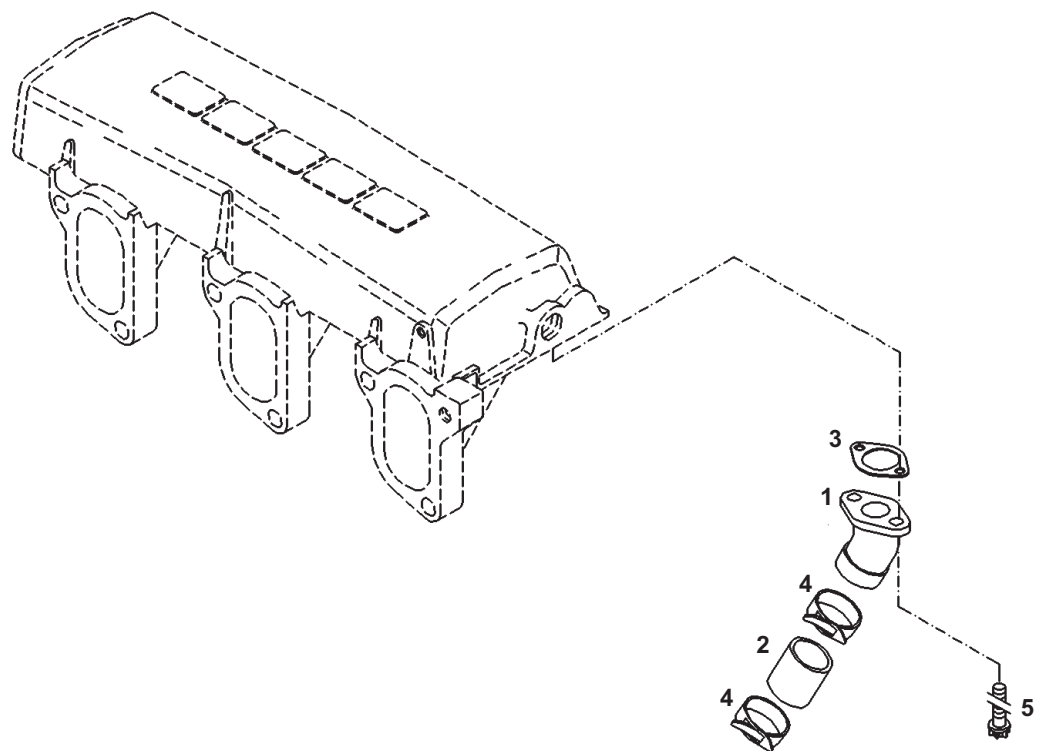
Ref No.	Part No.	Description	Quantity
1	133168	PLUG/SCREW	1
2	133138	RING/SEALING	1



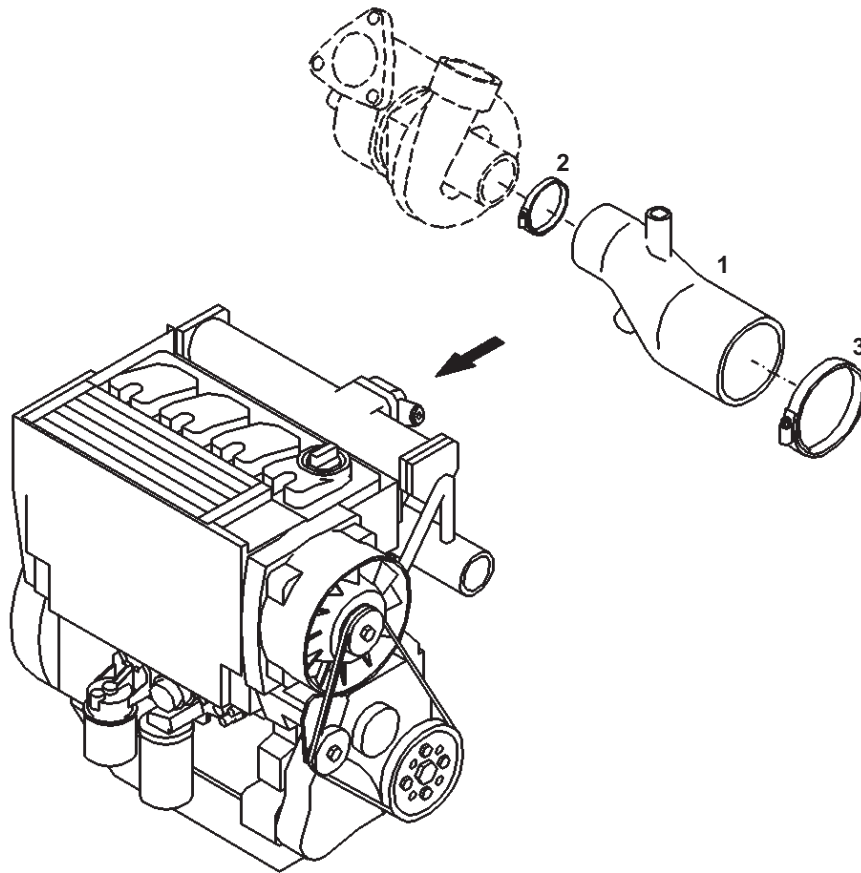
Ref No.	Part No.	Description	Quantity	
			BF3M	BF4M
1	133529	SLEEVE/RUBBER	1	1
2	133200	CLIP/HOSE	2	2
3	187278	NUT/HEX	3	3
4	133532	FLANGE	1	1
5	133364	GASKET	1	1
6	133180	STUD	3	3
7	187541	TURBOCHARGER	1	-
	187540	TURBOCHARGER	-	1
8	133229	ASSEMBLY/CORE	-	1
9	187513	KIT/REPAIR	-	1



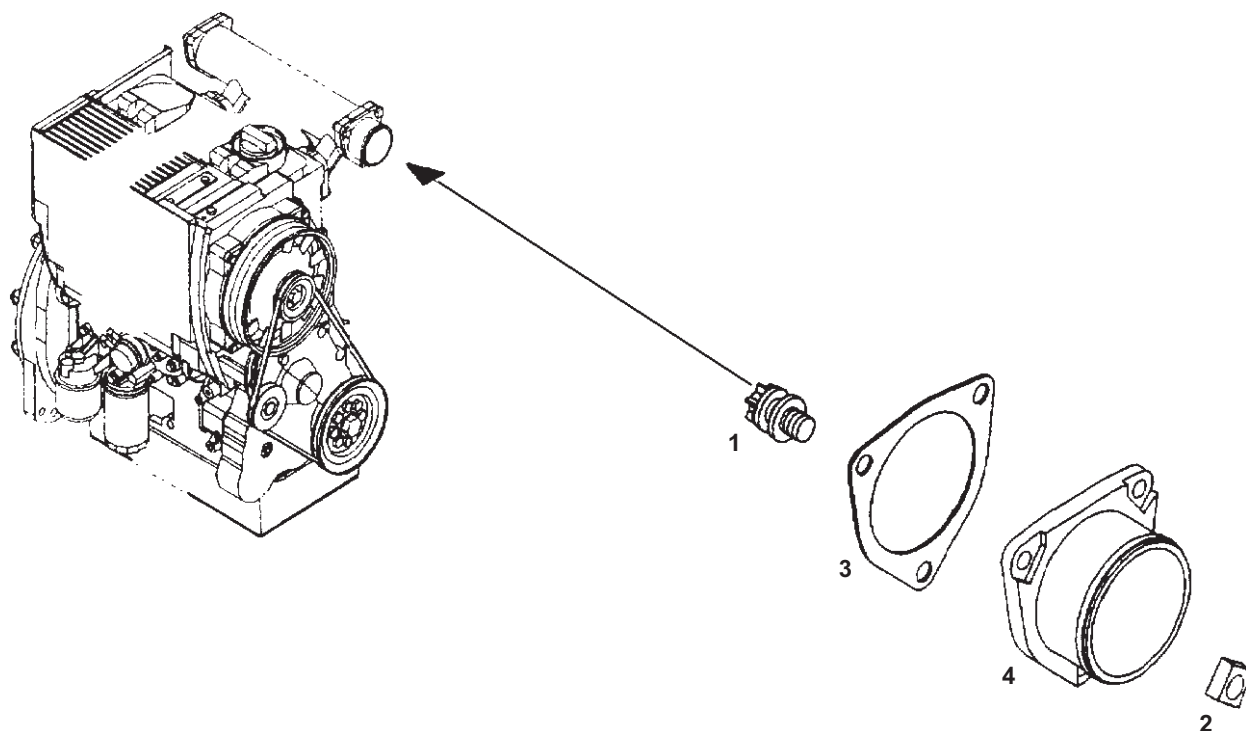
Ref No.	Part No.	Description	Quantity	
			BF3M	BF4M
1	187532	PIPE/CHARGE AIR	1	-
	133485	PIPE/SUCTION	-	1
2	133201	SLEEVE/RUBBER	-	1
3	133463	GASKET	3	4
4	133214	CLAMP/SPRING BAND	-	2
5	187231	BOLT/TORX-HEAD	6	8



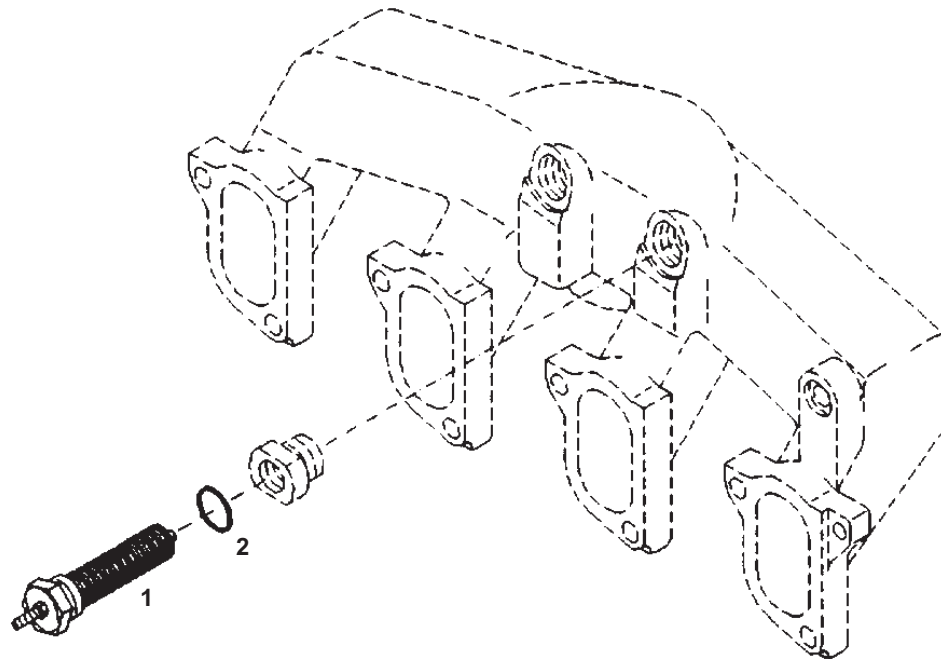
Ref No.	Part No.	Description	Quantity BF3M
1	187163	ELBOW/CHARGE AIR	1
2	187254	SLEEVE/RUBBER	1
3	187162	GASKET	1
4	133214	CLAMP/SPRING BAND	2
5	187226	BOLT/TORX HEAD	2



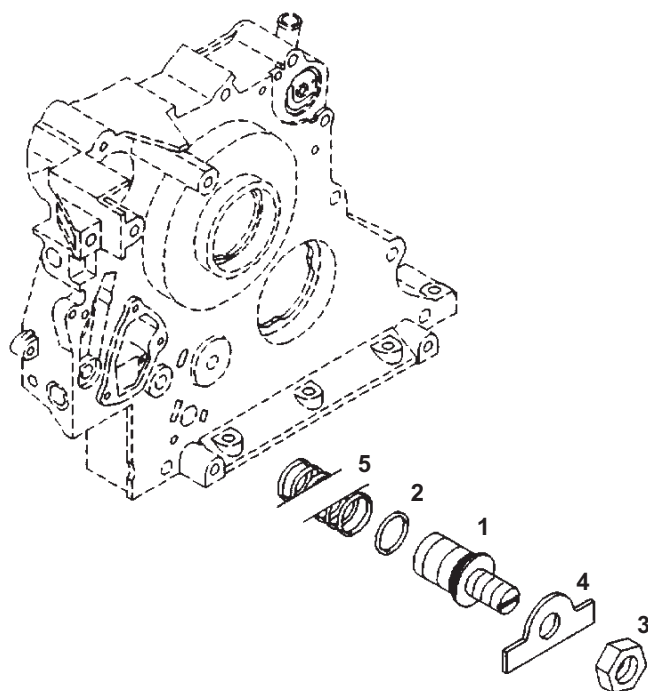
Ref No.	Part No.	Description	Quantity BF4M
1	133577	REDUCER	1
2	133200	CLIP/HOSE	1
3	133190	CLIP/HOSE	1



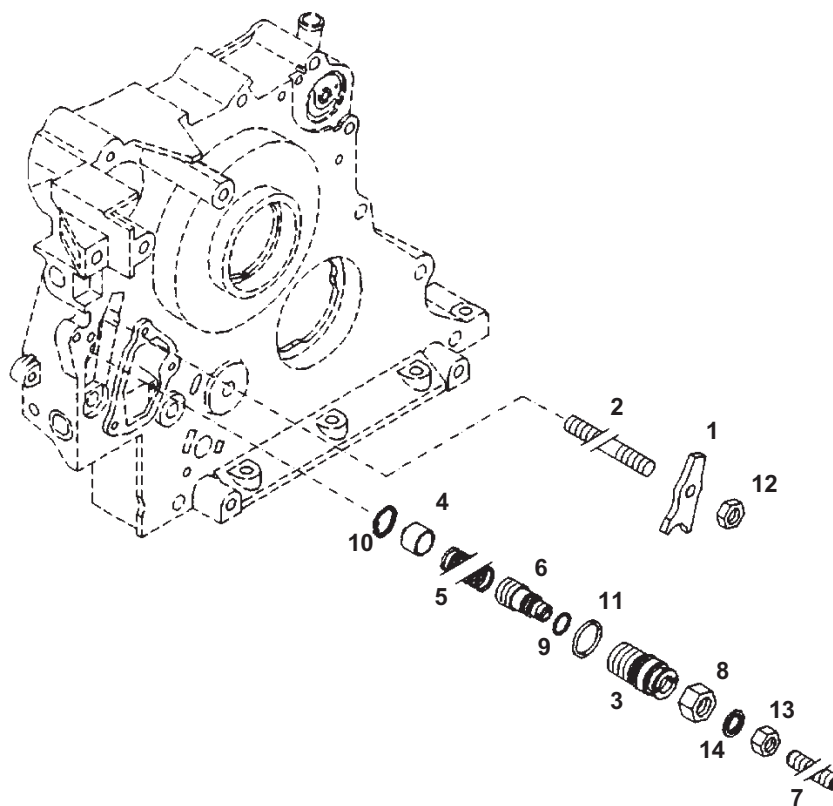
Ref No.	Part No.	Description	Quantity
1	133229	BOLT/TORX HEAD 8 X 30MM CLASS 8.8	3
2	133115	NUT/SQUARE	3
3	133331	GASKET	1
4	133593	NIPPLE/HOSE	1



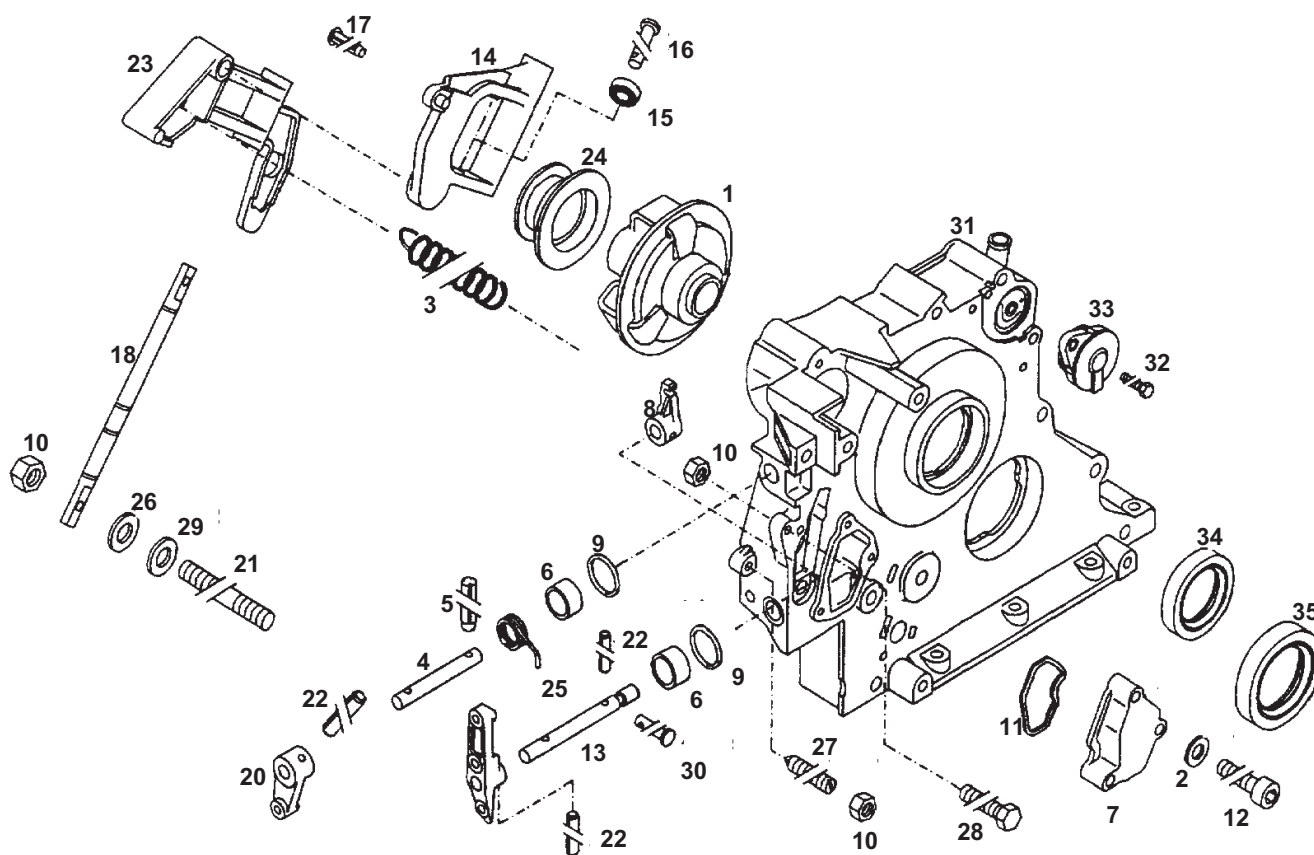
Ref No.	Part No.	Description	Quantity
1	133215	PLUG/GLOW	1
2	133138	RING/SEALING	1



Ref No.	Part No.	Description	Quantity
1	135510	CAPSULE	1
2	135499	O-SEAL	1
3	133127	NUT/HEX 6-8MM	1
4	135512	WASHER/PLAIN	1
5	135514	SPRING/COMPRESSION	1

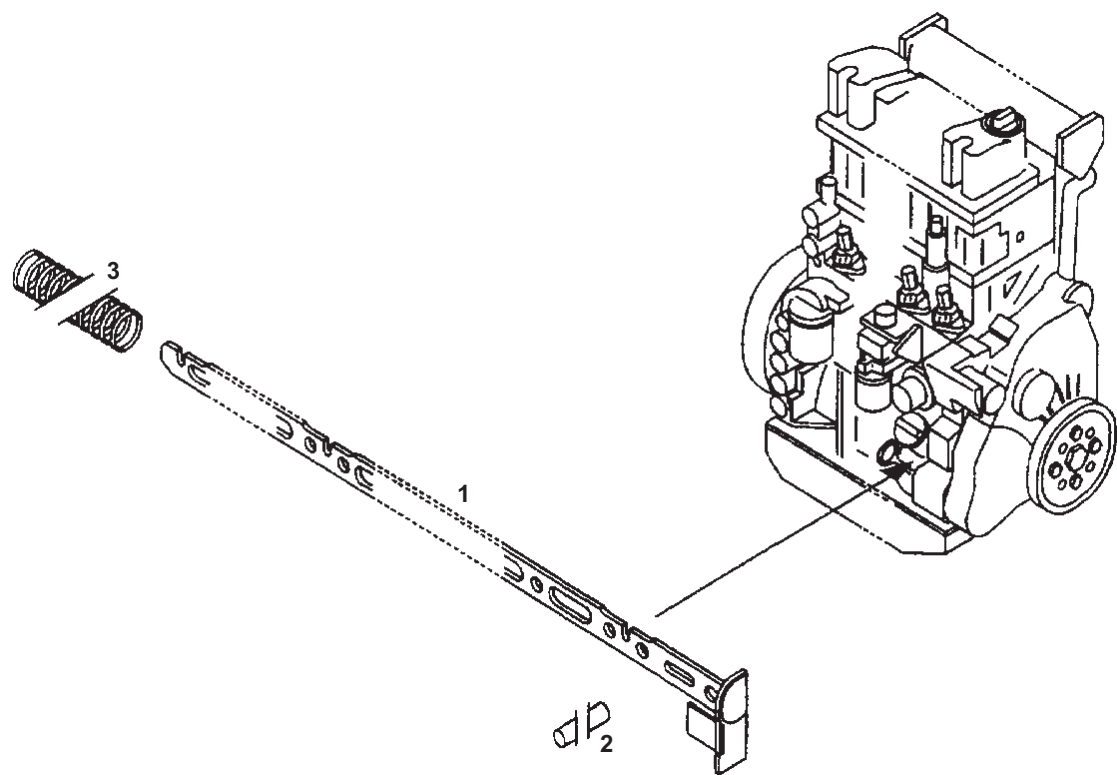


Ref No.	Part No.	Description	Quantity
1	133377	CLAW	1
2	133175	STUD 6 X 20MM CLASS 8.8	1
3	133507	SCREW/ADJUSTING	1
4	133506	STOP/LIMIT	1
5	133384	SPRING/COMPRESSION	1
6	133386	SCREW/SETTING	1
7	133171	SCREW/SET 5 X 55MM	1
8	133334	NUT/HEX	1
9	133188	O-SEAL	1
10	133114	CIRCLIP	1
11	133182	O-SEAL	1
12	133127	NUT/HEX 6-8MM	1
13	135495	NUT/HEX 5-8MM	1
14	133226	RING/SEALING	1

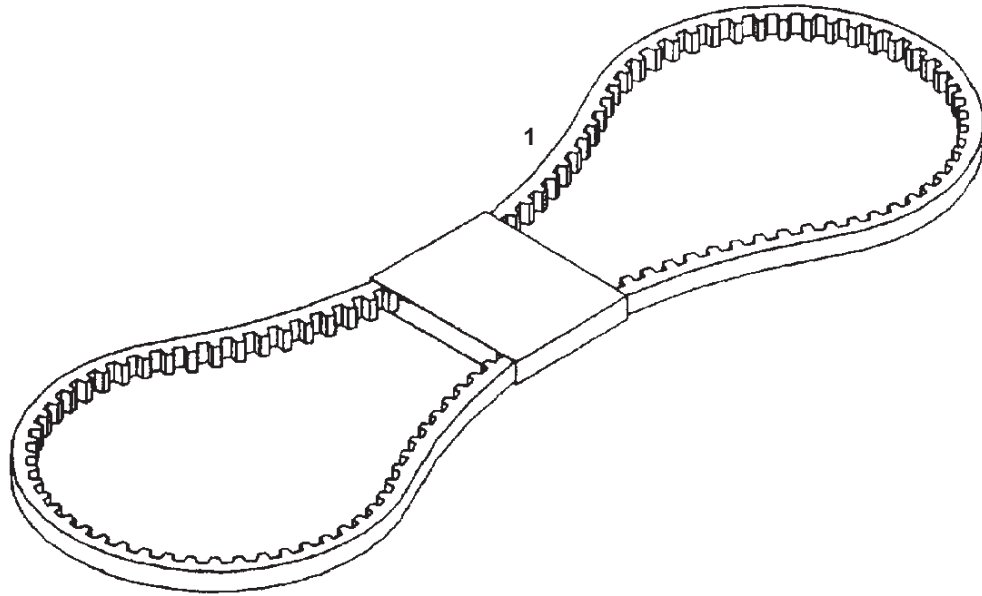


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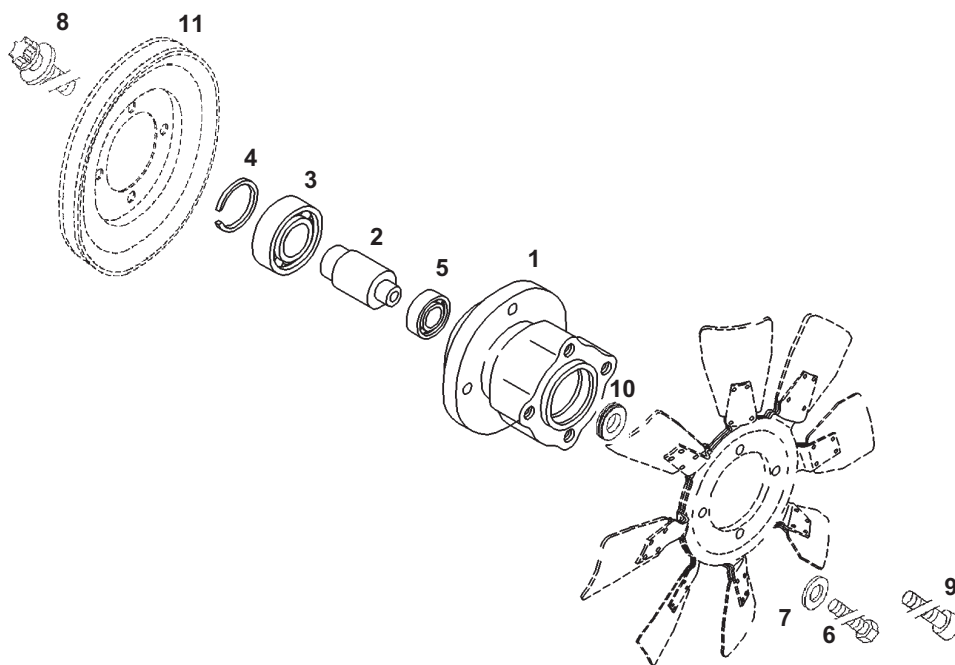
Ref No.	Part No.	Description	Quantity			
			F3M	F4M	BF3M	BF4M
1	135515	UNIT/METERING	1	1	-	1
	187542	UNIT/METERING	-	-	1	-
2	135491	WASHER/PLAIN	3	3	3	3
3	135513	SPRING/TENSION	1	-	-	-
	133570	SPRING/TENSION	-	1	-	1
	133570	SPRING/TENSION	-	-	1	-
4	133382	SHAFT/LEVER	1	1	1	1
5	133128	PIN/NOTCHED	1	1	-	1
	187549	PIN/STRAIGHT	-	-	1	-
6	133393	SLEEVE	1	1	3	3
7	133435	COVER	1	1	1	1
8	133395	LEVER/ARM	1	1	1	1
9	133247	O-SEAL	2	2	2	2
10	135496	NUT/HEX 6-8MM	4	4	-	4
	187267	NUT/HEX 6-8MM	-	-	4	-
11	133431	WASHER/PROFILE	1	1	1	1
12	133241	SCREW/SOCKET HEAD 6 X 35MM CLASS 8.8	3	3	3	3
13	133385	SHAFT/LEVER	1	1	1	1
14	133412	LEVER/ROLLER (INCLUDES ITEMS 15-17)	1	1	1	1
15	133152	BEARING/BALL	2	2	2	2
16	133246	PIN/CLEVIS	2	2	2	2
17	133129	NAIL/NOTCHED	1	1	1	1
18	133406	AXLE	1	1	1	1
19	135511	LEVER/ARM	1	-	-	-
	133464	LEVER/ARM	-	1	1	1
20	133328	LEVER/SHUT-OFF	1	1	1	1
21	133179	STUD 6 X 12MM CLASS 8.8	2	2	2	2
22	133130	PIN/STRAIGHT	3	3	3	3
23	133594	LEVER/ARM	1	-	-	-
	133484	LEVER/ARM	-	1	-	1
	187533	LEVER/ARM	-	-	1	-
24	135516	SLEEVE	1	-	-	-
	133497	SLEEVE	-	1	1	1
25	133383	SPRING/TORSION	1	1	1	1
26	133351	WASHER/PLAIN	3	3	3	1
27	133174	SCREW/SET	1	1	1	1
28	133121	BOLT/HEX	1	1	1	1
29	133262	WASHER/PLAIN	2	2	2	1
30	133160	PIN/CLEVIS	1	1	1	1
31	133425	COVER/FRONT	1	1	-	1
	187522	COVER/FRONT	-	-	1	-
32	133163	BOLT/HEX 6 X 25MM CLASS 8.8	1	1	1	1
33	187187	VALVE/BREATHER (INCLUDES ITEM 36)	1	1	1	1
34	133389	SEAL/ROTATOR SHAFT LIP	1	1	1	1
35	133388	SEAL/ROTATOR SHAFT LIP	1	1	1	1
36	133250	O-SEAL	1	1	-	1
	187223	O-SEAL	-	-	1	-



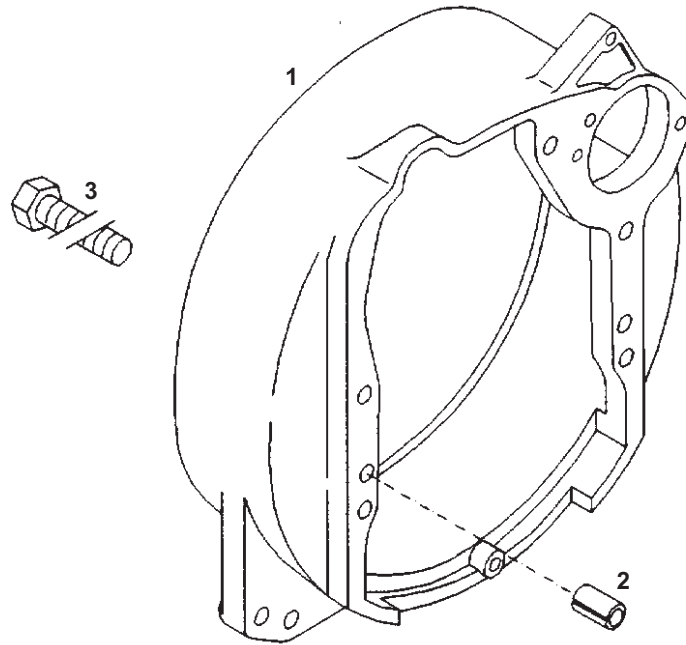
Ref No.	Part No.	Description	Quantity	
			F3M/BF3M	F4M/BF4M
1	135527	ROD/CONTROL	1	-
	135528	ROD/CONTROL	-	1
2	133396	PIN/LOCATING	1	1
3	133360	SPRING/COMPRESSION	1	1



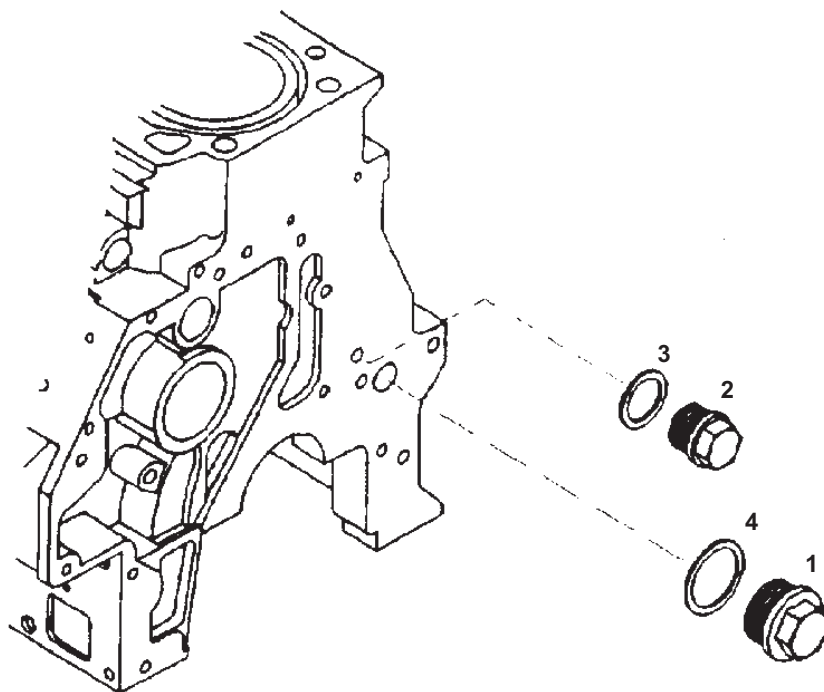
Ref No.	Part No.	Description	Quantity
1	132989	V-BELT/NARROW	1



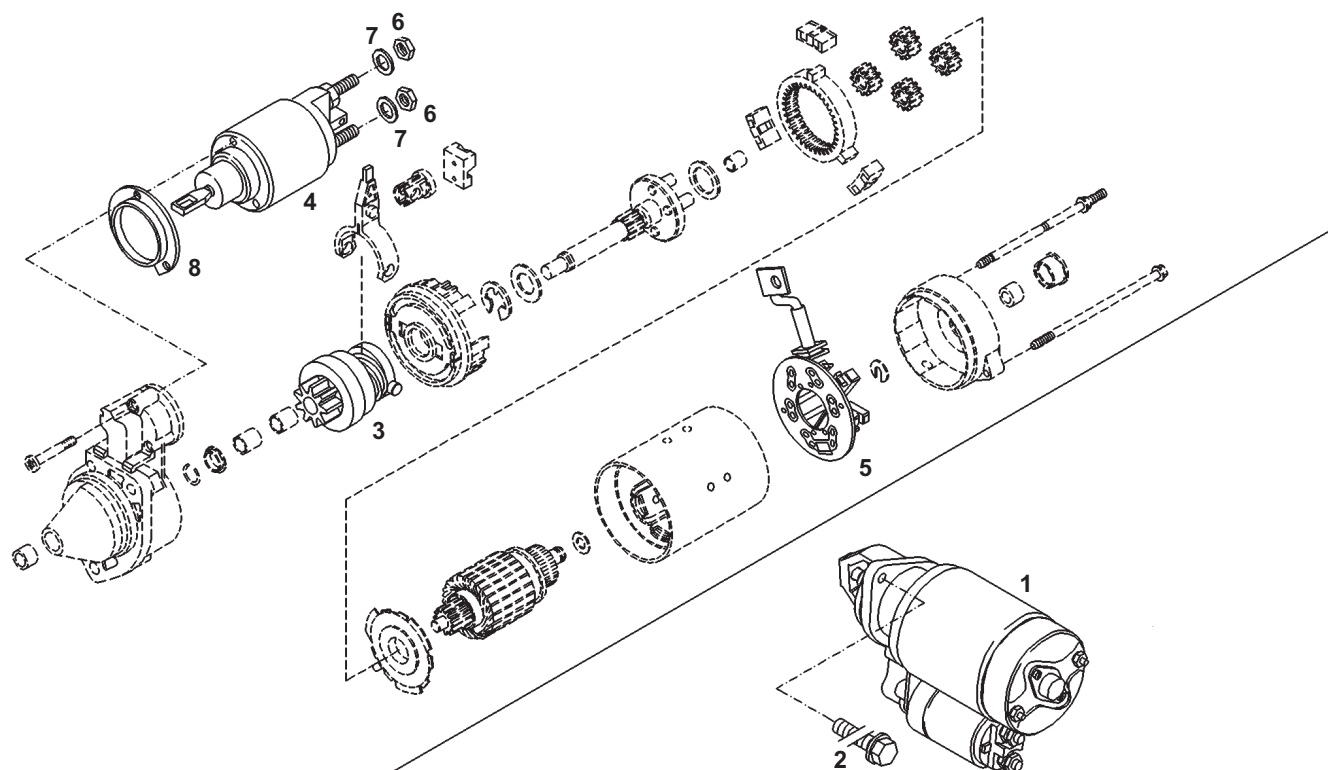
Ref No.	Part No.	Description	Quantity
1	135538	SUPPORT/FAN (INCLUDES ITEMS 2-5)	1
2	133502	SHAFT	1
3	133156	BEARING/BALL	1
4	133187	CIRCLIP	1
5	133255	BEARING/BALL	1
6	135493	BOLT/HEX 8 X 20MM CLASS 10.9	4
7	133173	WASHER/PLAIN	4
8	187234	BOLT/TORX HEAD	4
9	133177	SCREW/SOCKET HEAD 10 X 110MM CLASS 12.9	1
10	187256	WASHER/PLAIN	1
11	133365	PULLEY/V-GROOVED	1



Ref No.	Part No.	Description	Quantity
1	135537	HOUSING/ADAPTER	1
2	133329	BUSHING/CLAMPING	2
3	133110	BOLT/HEX	4



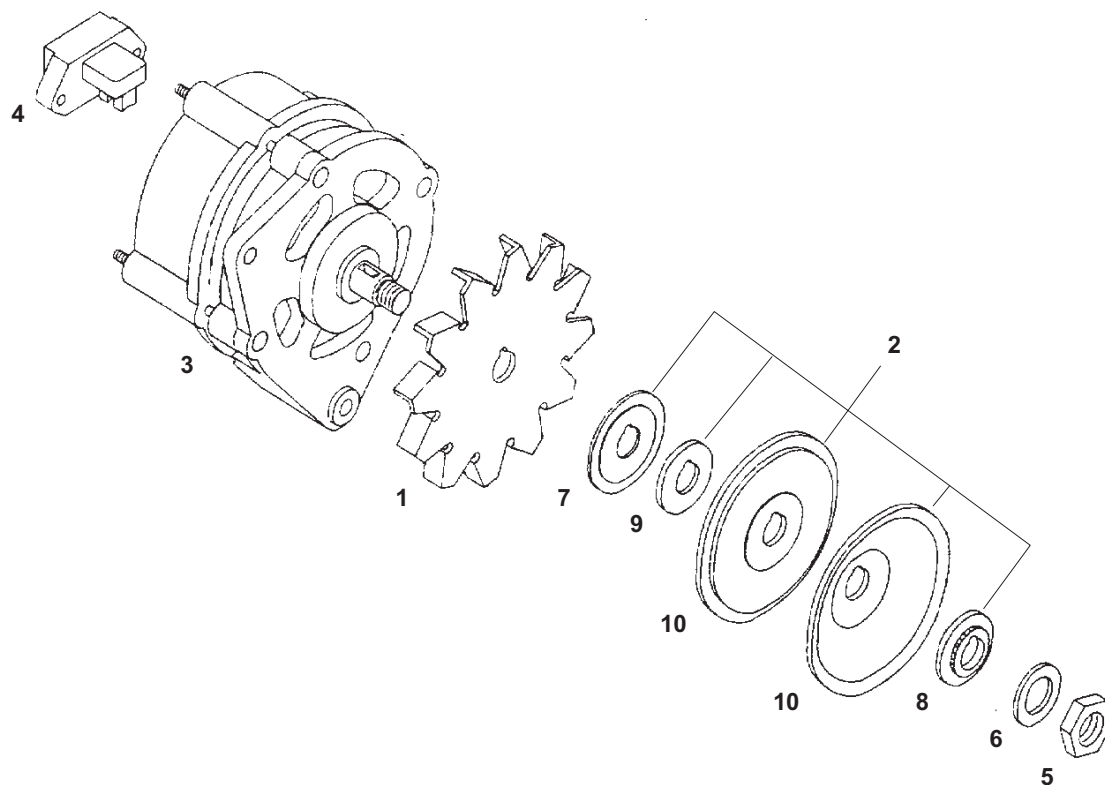
Ref No.	Part No.	Description	Quantity
1	133149	PLUG/SCREW 18 X 1.5MM	1
2	133144	PLUG/SCREW 10 X 1MM	1
3	133132	RING/SEALING	1
4	133137	RING/SEALING	1



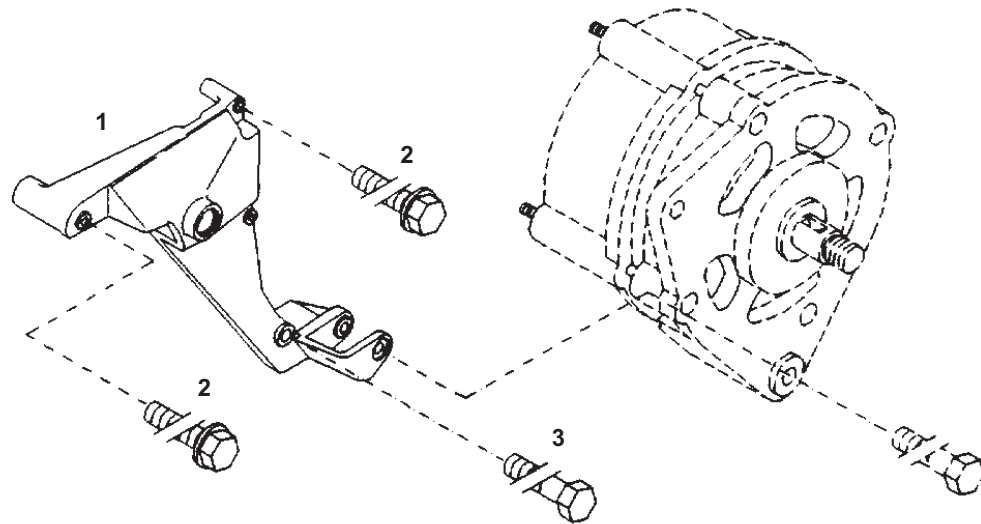
Ref No.	Part No.	Description	Quantity
1	138859a	STARTER	1
	133557b	STARTER	1
2	187239a	BOLT/HEX	2
	133239b	BOLT/HEX M10 X 25 MM CLASS 10.9	2
3	187213a	PINION/STARTER	1
	133603b	PINION/STARTER	1
4	133301	RELAY	1
5	187216a	HOLDER/BRUSH	1
	133604b	HOLDER/BRUSH	1
6	187218a	NUT/HEX	2
	133605b	NUT/HEX	2
7	187214a	WASHER/SPRING	2
	133607b	WASHER/SPRING	2
8	187217a	PLATE/COVERING	1
	133608b	PLATE/COVERING	1

a) Used in engines with serial number 618098 and later.

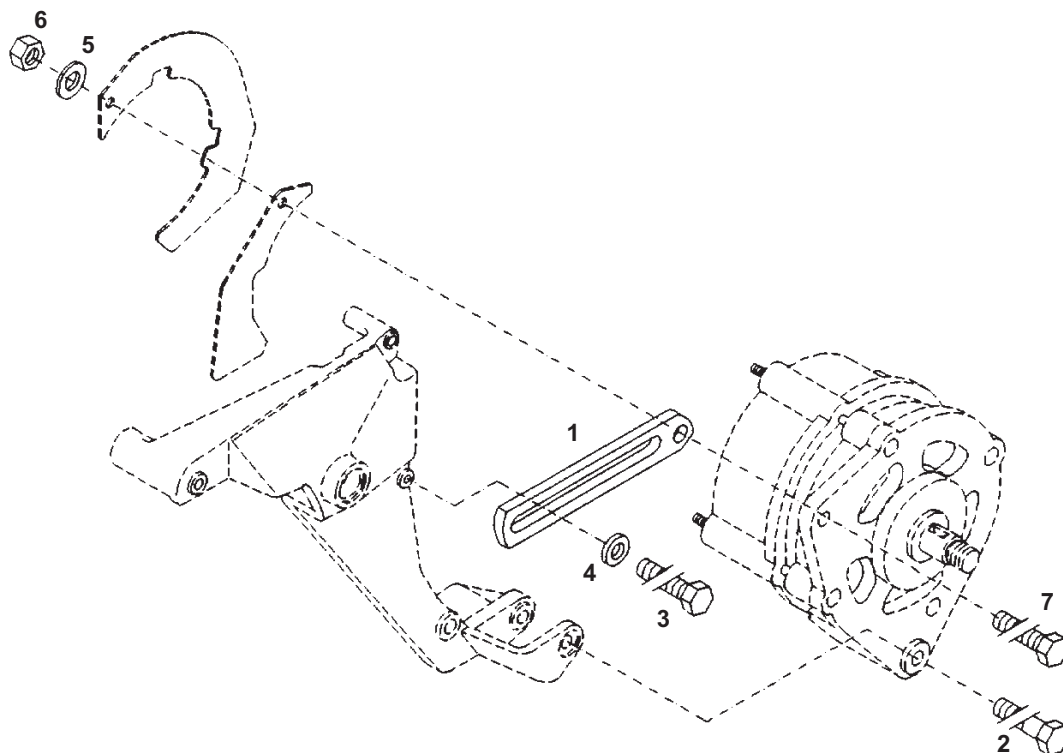
b) Used in engines with serial number 618097 and earlier.



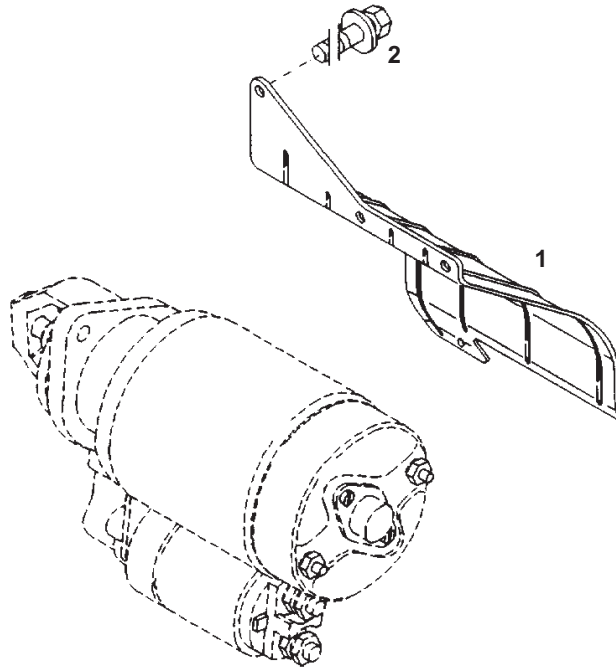
Ref No.	Part No.	Description	Quantity
1	133184	FAN	1
2	133208	PULLEY/V-GROOVED (INCLUDES ITEMS 7-10)	1
3	132300	GENERATOR (INCLUDES ITEMS 4 -6)	1
4	133206	REGULATOR/VOLTAGE	1
5	133148	NUT/HEX 16 X 1.5MM	1
6	133111	WASHER/SPRING	1
7	133207	RING/SUPPORTING	1
8	133210	WASHER	1
9	133209	WASHER	1
10	133211	PULLEY/BELT	2



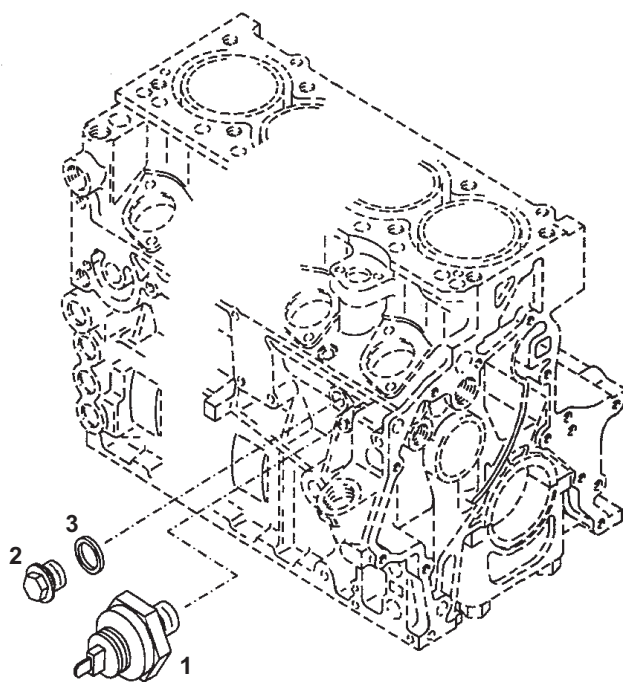
Ref No.	Part No.	Description	Quantity
1	187545	BRACKET	1
2	187510	BOLT/HEX	2
3	187502	BOLT/HEX	1



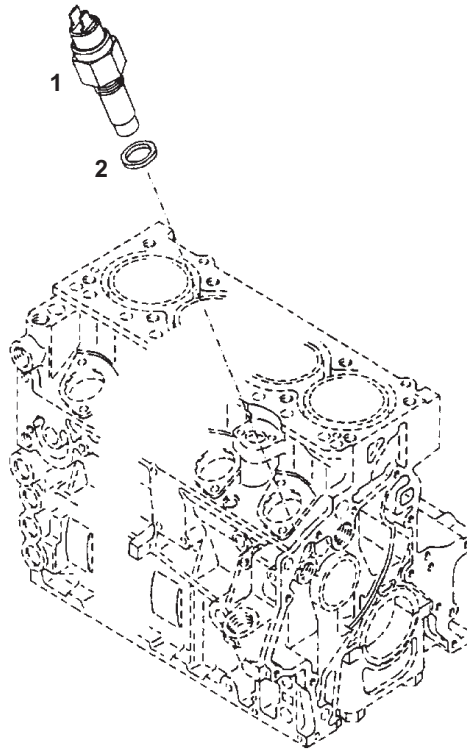
Ref No.	Part No.	Description	Quantity
1	133336	STRAP/CLAMPING	1
2	187503	BOLT/HEX	1
3	187504	BOLT/HEX	1
4	133260	WASHER/PLAIN	1
5	133173	WASHER/PLAIN	1
6	133126	NUT/HEX 8-8MM	1
7	187505	BOLT/HEX	1



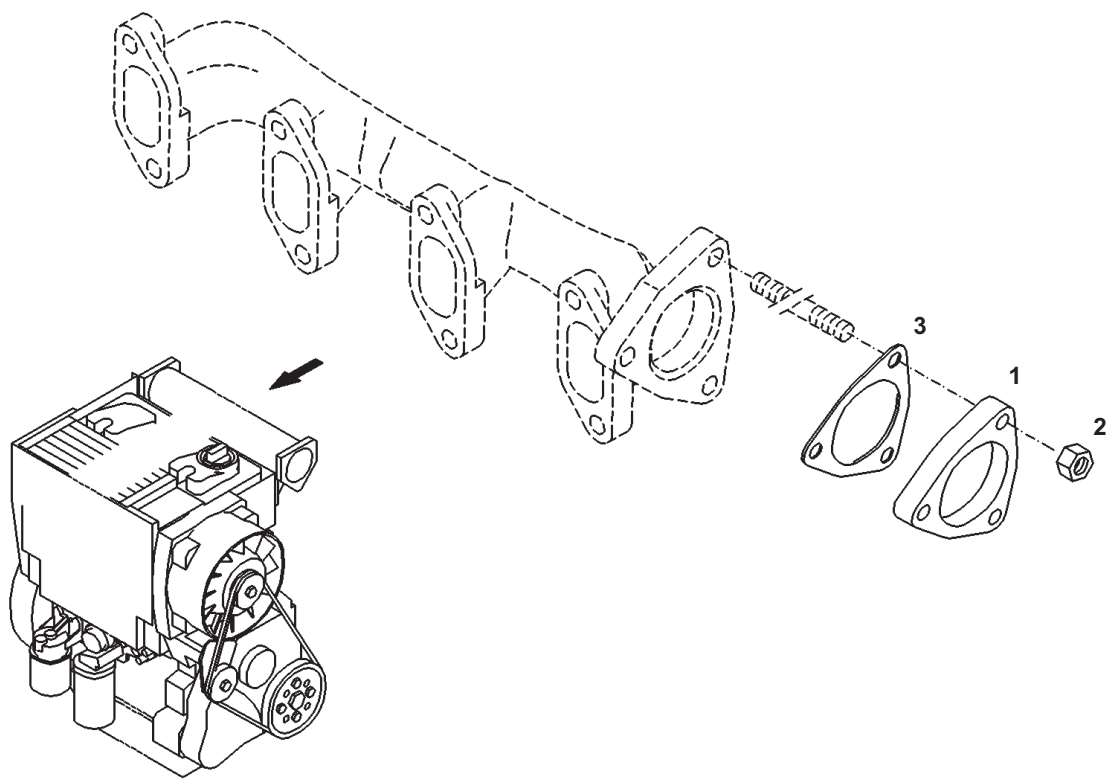
Ref No.	Part No.	Description	Quantity
1	135546	BAFFLE/COOLING AIR	1
2	187235	BOLT/HEX 6 X 14MM CLASS 8.8	3



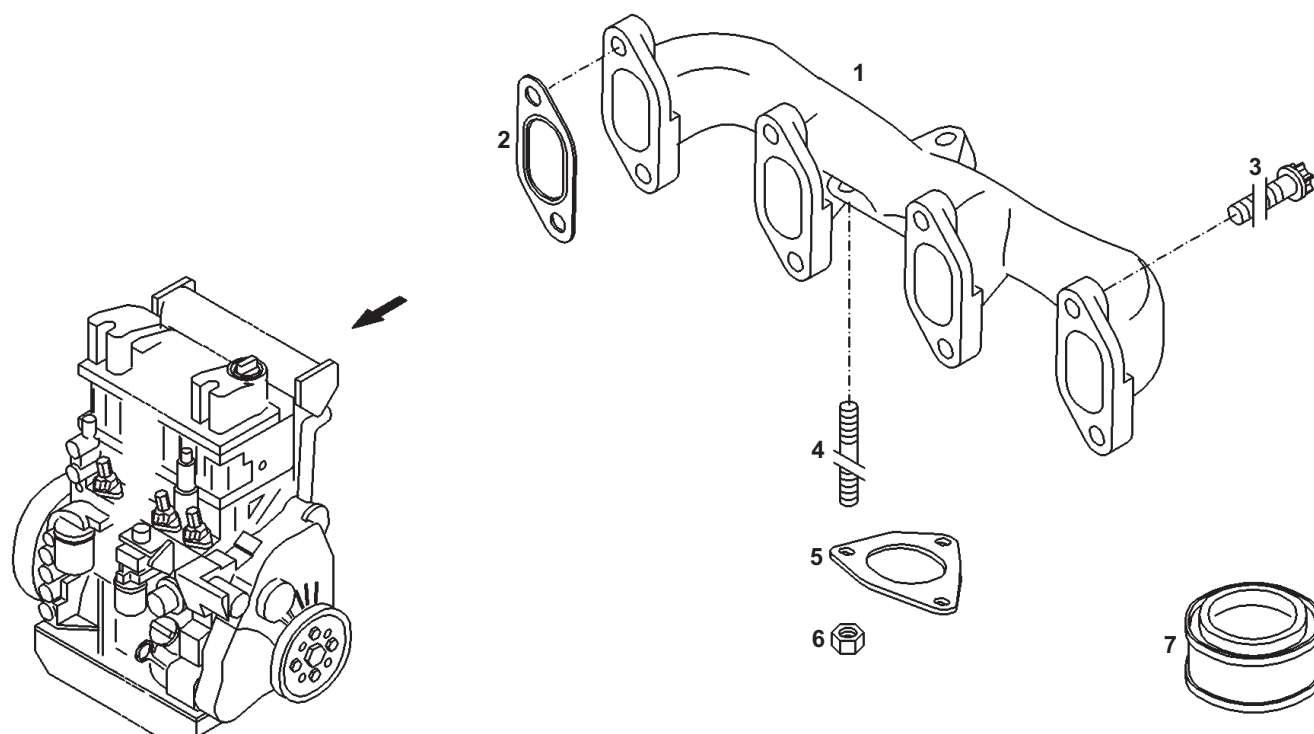
Ref No.	Part No.	Description	Quantity
1	133256	SWITCH/OIL PRESSURE	1
2	133140	PLUG/SCREW	1
3	133137	RING/SEALING	1



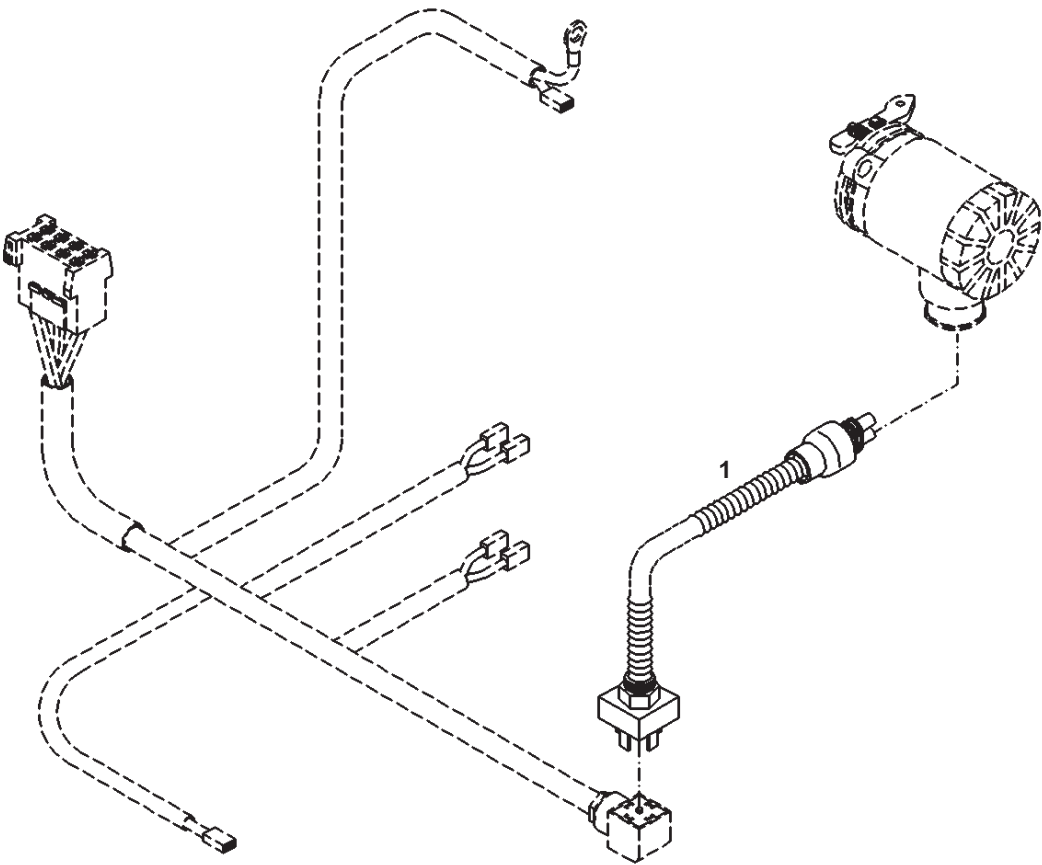
Ref No.	Part No.	Description	Quantity
1	133225	TRANSMITTER/TEMPERATURE (INCLUDES ITEM 2)	1
2	133161	RING/SEALING	1



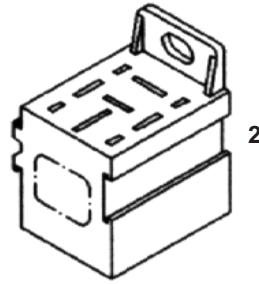
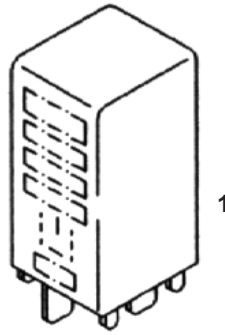
Ref No.	Part No.	Description	F3M
1	187516	FLANGE	1
2	187278	NUT/HEX	3
3	133374	GASKET	1



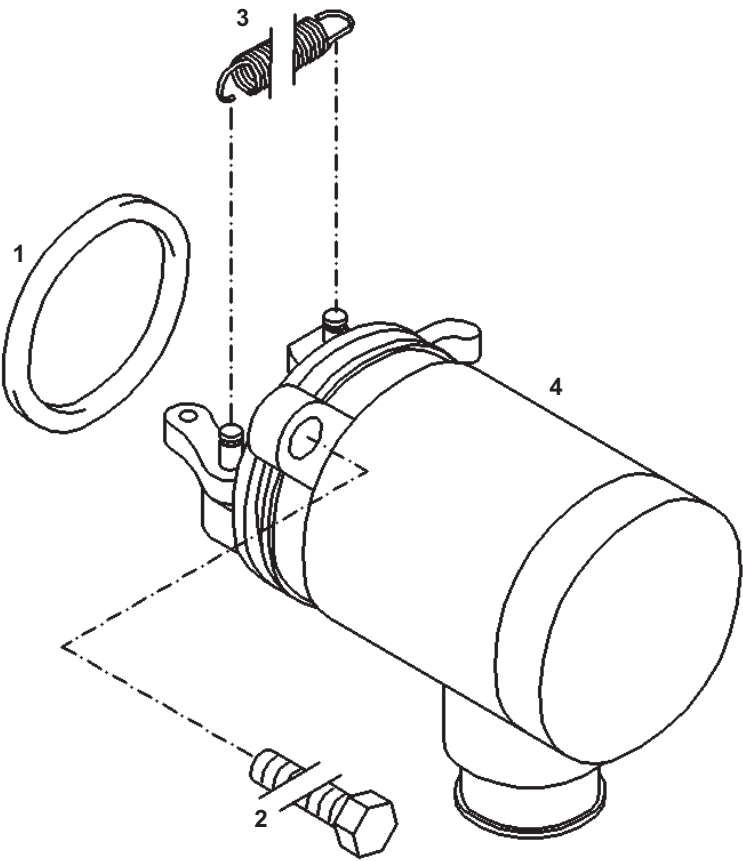
Ref No.	Part No.	Description	Quantity			
			F3M	F4M	BF3M	BF4M
1	133595	MANIFOLD/EXHAUST	1	1	-	-
	133533	MANIFOLD/EXHAUST	-	-	1	-
	133572	MANIFOLD/EXHAUST	-	-	-	1
2	133372	GASKET	3	4	3	4
3	133534	BOLT/TORX-HEAD	6	8	6	8
4	133180	STUD	3	3	-	-
	133181	STUD	-	-	3	3
5	133374	GASKET	-	1	1	1
6	133154	NUT/HEX	-	3	3	3
7	133558	COMPOUND/FITTING	AR	AR	AR	AR



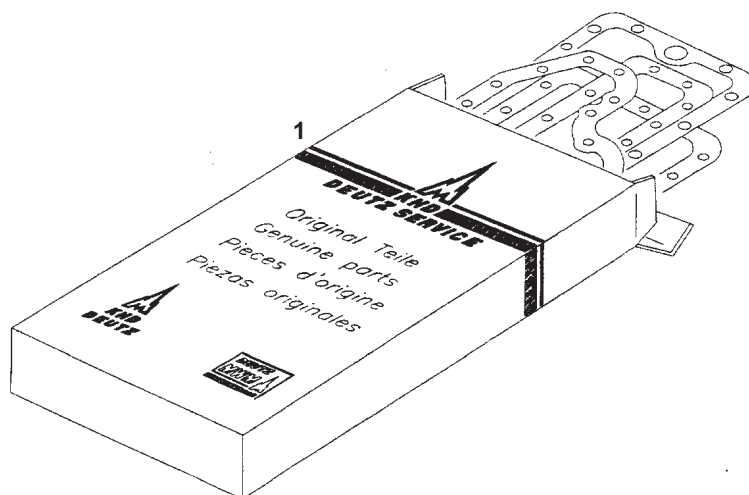
Ref No.	Part No.	Description	Quantity
1	187519	ELECTRICAL JUMPER/CONNECTING	1



Ref No.	Part No.	Description	Quantity
1	187524	UNIT/GLOW TIME CONTROL	1
2	187526	BASE/PEDESTAL	1



Ref No.	Part No.	Description	Quantity
1	133185	O-SEAL	1
2	187179	BOLT/HEX	2
3	133394	SPRING/TENSION	1
4	187180	DEVICE/SHUTDOWN (INCLUDES ITEM 3)	1



Ref No.	Part No.	Description	Quantity			
			F3M	F4M	BF3M	BF4M
1	133346	SET/GASKET	1	1	1	1
	135505	SET/SUPPLEMENTARY GASKET	1	-	-	-
	133344	SET/SUPPLEMENTARY GASKET	-	1	-	-
	187207	SET/SUPPLEMENTARY GASKET	-	1	-	1
	187515	SET/SUPPLEMENTARY GASKET	-	-	1	-

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132300	59	3	133156	55	3	133241	52	12	133308	37	4
132989	54	1	133157	13	3	133242	18	2	133308	37	5
133100	1	4	133159	13	3	133243	37	6	133316	5	4
133103	18	8	133160	52	30	133244	39	2	133317	13	2
133103	26	3	133161	64	2	133245	29	3	133318	12	3
133104	6	8	133163	17	4	133246	52	16	133319	12	4
133105	24	3	133163	52	32	133247	52	9	133320	12	4
133106	16	10	133165	29	2	133249	5	21	133322	16	9
133107	5	25	133166	5	13	133250	17	6	133323	5	16
133109	28	3	133168	42	1	133250	52	36	133324	18	4
133110	56	3	133171	50	7	133255	55	5	133325	7	1
133111	59	6	133173	55	7	133256	63	1	133326	24	2
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133114	50	10	133174	52	27	133260	61	4	133328	52	20
133115	47	2	133175	50	2	133262	52	29	133329	56	2
133116	30	1	133176	28	9	133263	34	6	133330	22	1
133126	31	3	133177	55	9	133264	34	6	133331	47	3
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133126	61	6	133180	43	6	133266	34	6P	133333	21	3
133127	49	3	133180	66	4	133267	34	6W	133334	21	4
133127	50	12	133181	66	4	133268	34	6	133334	50	8
133128	52	5	133182	50	11	133269	34	6	133335	11	3
133129	52	17	133184	59	1	133271	34	6	133336	61	1
133130	52	22	133185	69	1	133272	34	6	133337	31	4
133132	18	6	133187	55	4	133273	34	6	133338	8	3
133132	30	2	133188	50	9	133274	34	6I	133339	8	3
133132	57	3	133190	46	3	133275	34	6J	133344	70	1
133133	25	3	133200	43	2	133276	34	6K	133346	70	1
133134	2	4	133200	46	2	133277	34	6L	133350	5	17
133135	27	3	133201	44	2	133278	34	6M	133351	52	26
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133141	36	2	133214	44	4	133289	34	6Z	133370	34	6
133144	18	5	133214	45	4	133290	34	6	133372	66	2
133144	57	2	133215	48	1	133291	34	6	133374	65	3
133145	20	5	133216	20	4	133292	34	6	133374	66	5
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133150	31	3	133229	47	1	133296	34	10	133381	7	3

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133386	50	6	133444	14	1	133550	27	1	135515	52	1
133387	1	3	133445	11	2	133551	27	7	135516	52	24
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133389	52	34	133451	28	5	133553	3	4	135518	5	1
133390	1	1	133455	13	4	133555	2	1	135519	23	1
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133394	69	3	133467	20	2	133562	2	8	135528	17	2
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