

STEERING, SUSPENSION, WHEELS AND TIRES

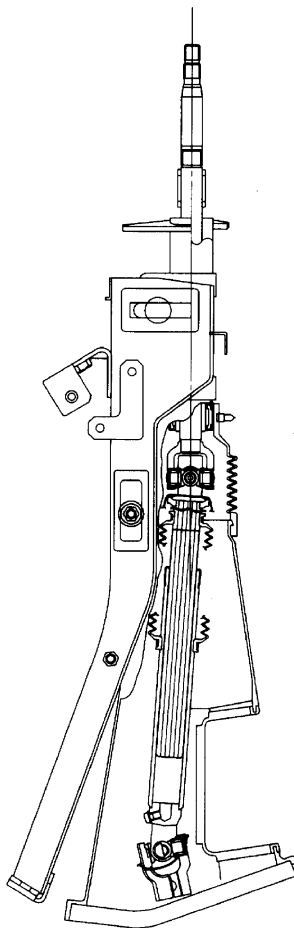
SECTION 3B4 STEERING COLUMN

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GENERAL DESCRIPTION

This illustration is based on tilt and telescopic control type.

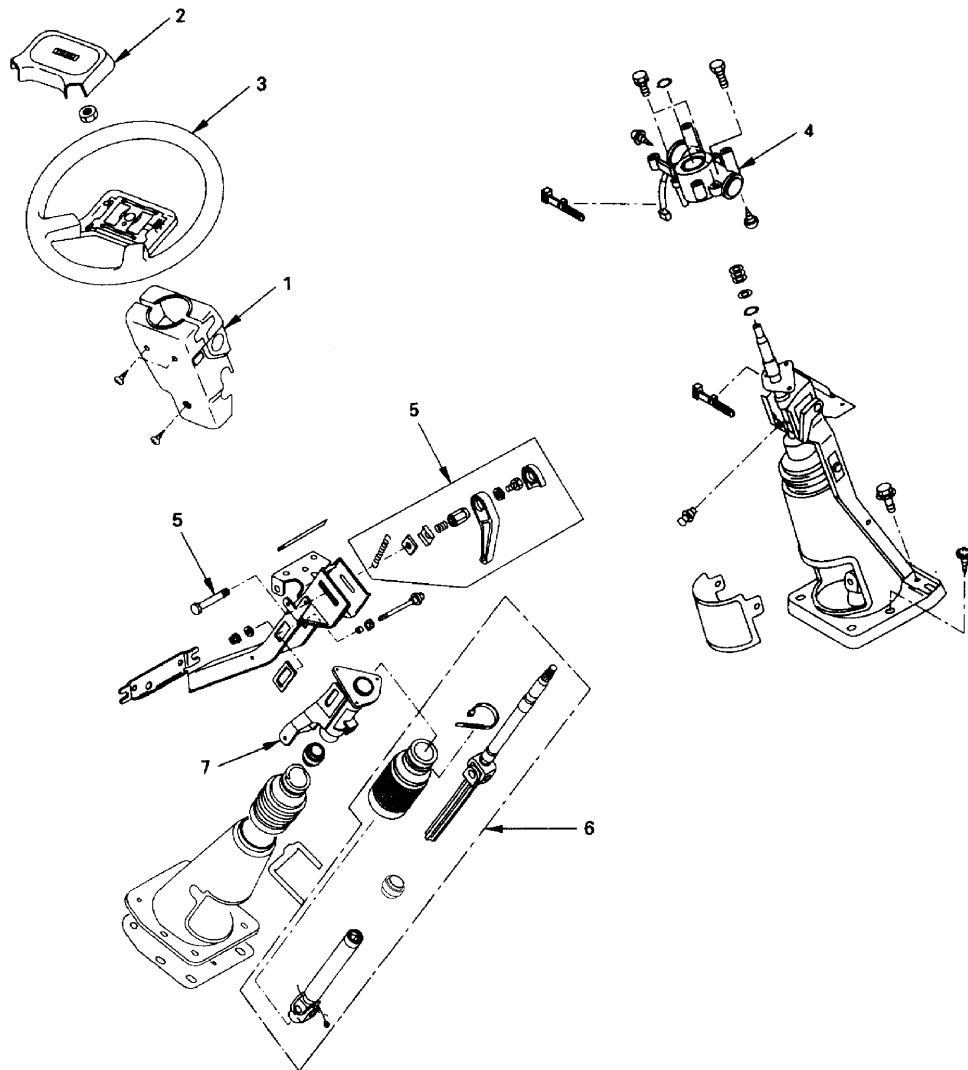


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ON-VEHICLE SERVICE

Steering Wheel, Shaft and Column

This illustration is based on tilt and telescopic control type.



N3A0465E

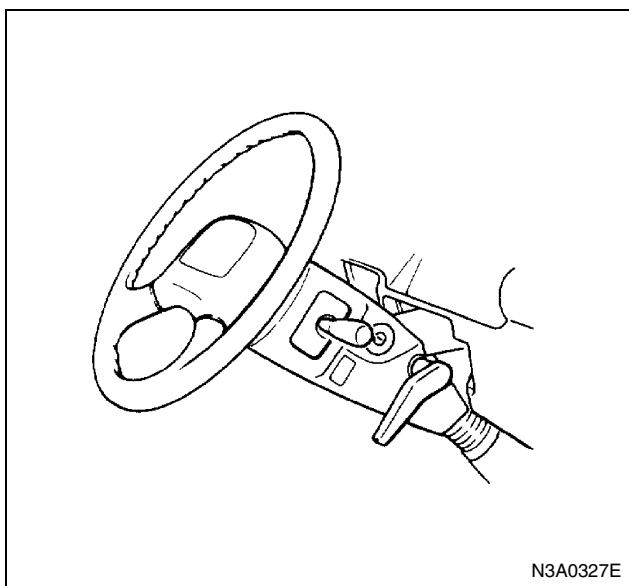
Legend

- | | |
|---|-----------------------------------|
| 1. Steering cowl | 5. Tilt control (or support bolt) |
| 2. Horn button | 6. Steering shaft assembly |
| 3. Steering wheel | 7. Steering column |
| 4. Starter switch and key cylinder assembly | |

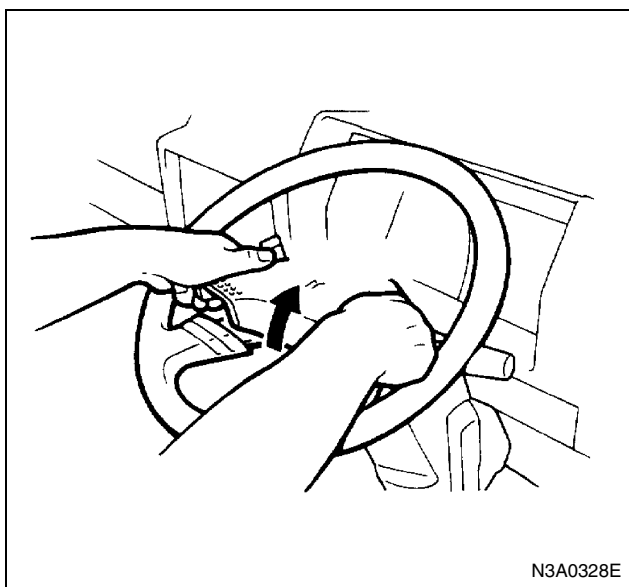
3B4-4 STEERING COLUMN

Removal

1. Steering Cowl

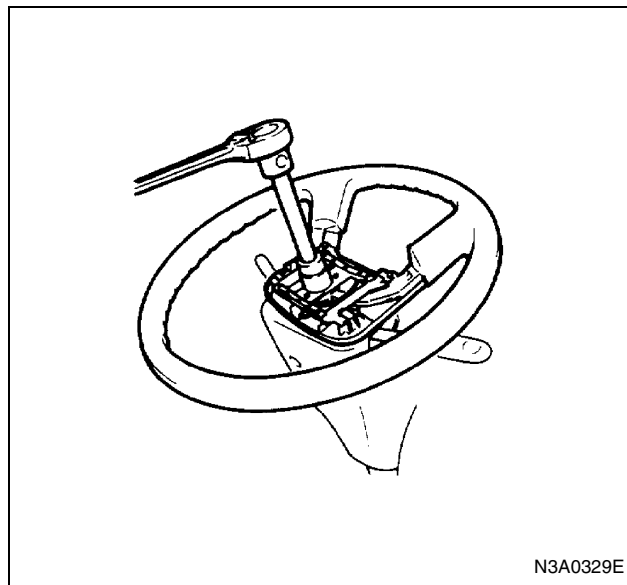


2. Horn Button

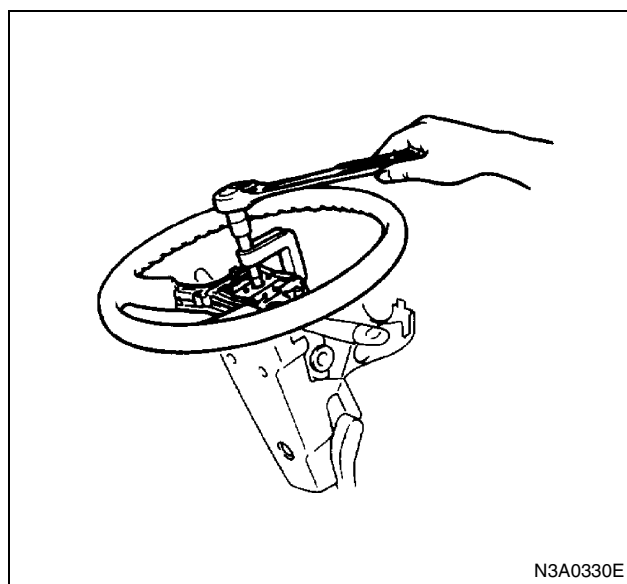


3. Steering Wheel

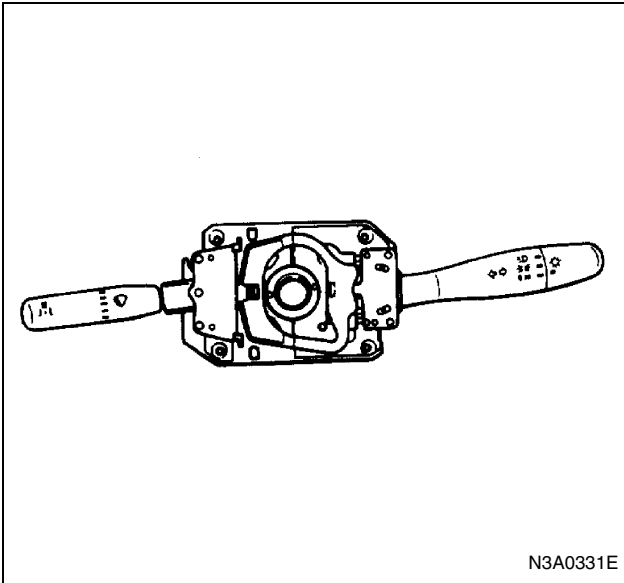
- Remove the locking nuts for the steering wheel.



- Remove the steering wheel using the special tool.
Remover: 5-8840-2215-0

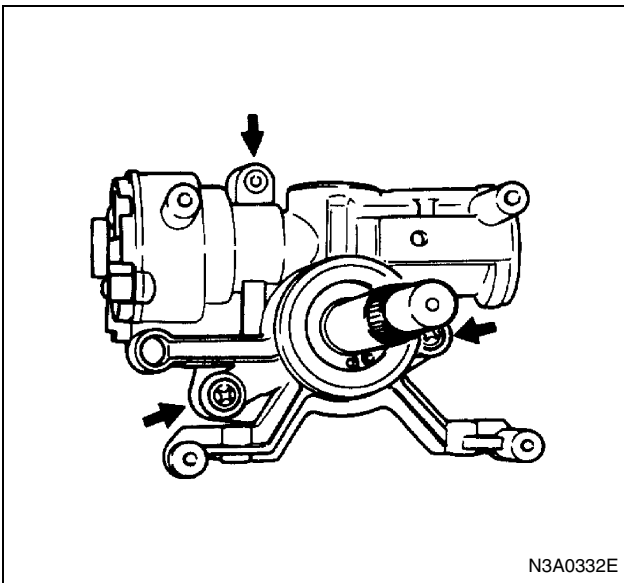


- Take out the combination switch.

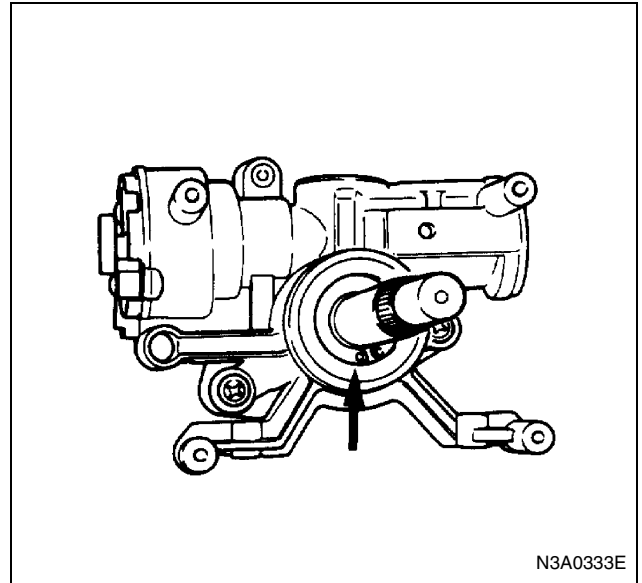


4. Starter Switch and Key Cylinder Assembly

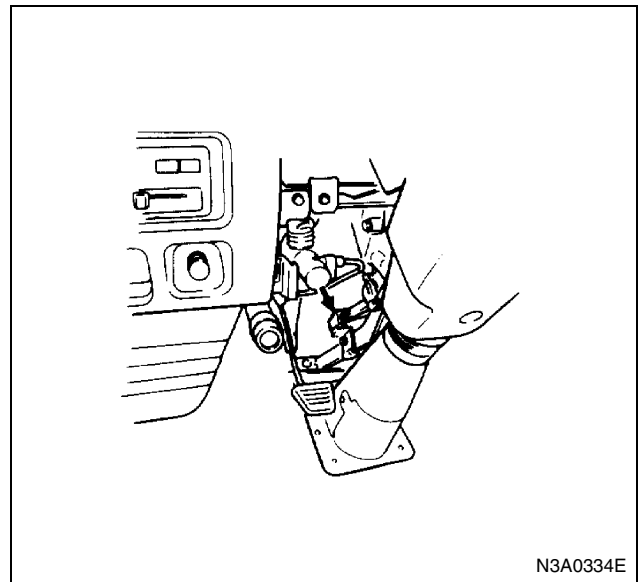
- Cut the steering lock with a hack-saw to loosen the screws.



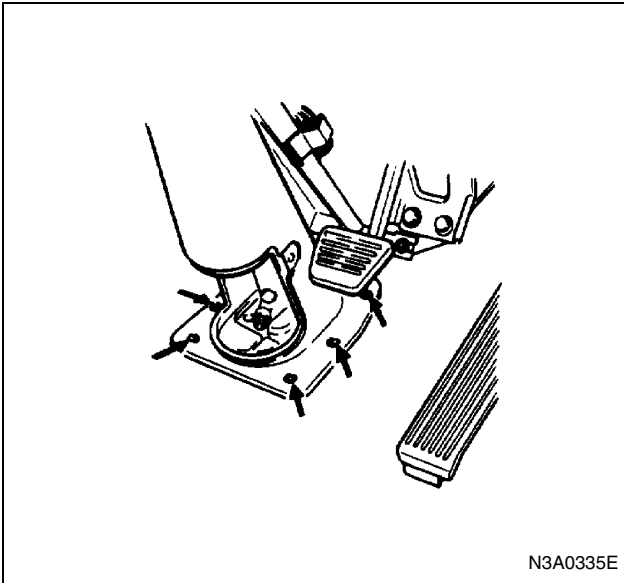
- Remove the snap rings and remove the steering lock assembly.



- Remove the harness connectors.

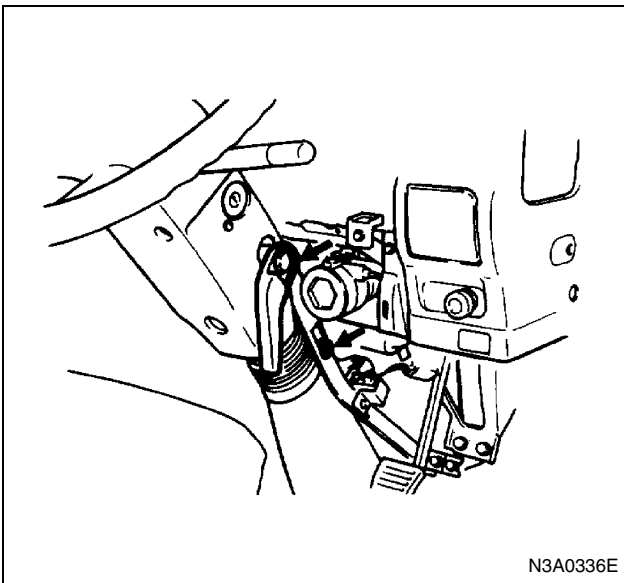


- Remove the inspection window in the boots to describe a mating mark on the steering shaft and the yoke of universal joint.



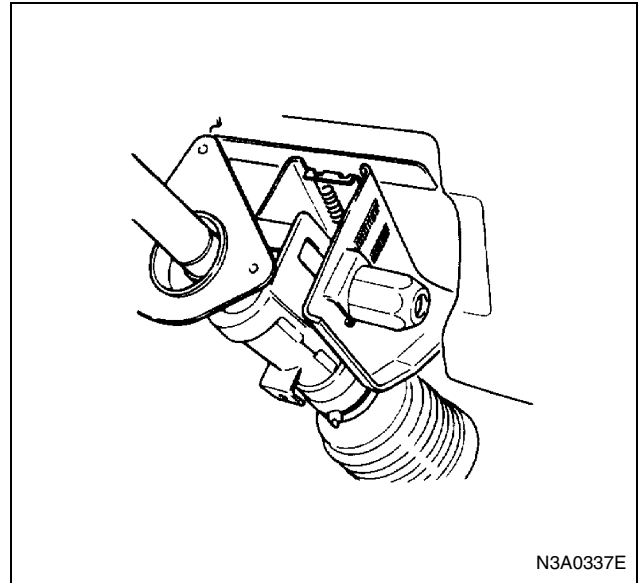
5. Tilt control

- Remove the tilt control and the support brackets retaining bolts for the steering wheel column.



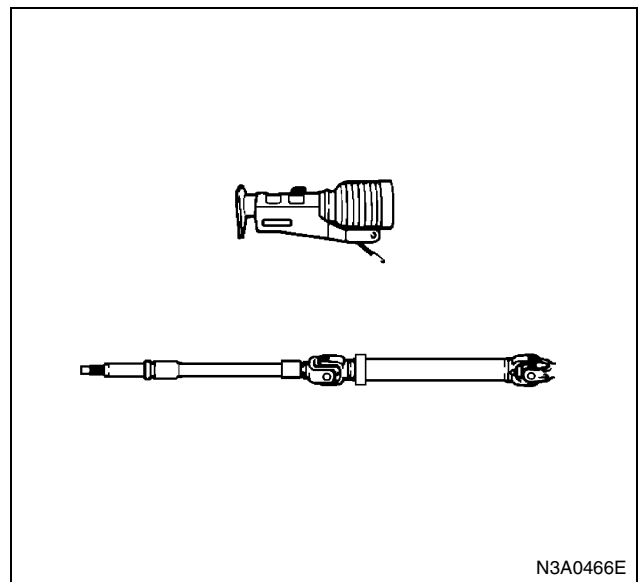
for Tilt Steering

- Remove the tilt spring.

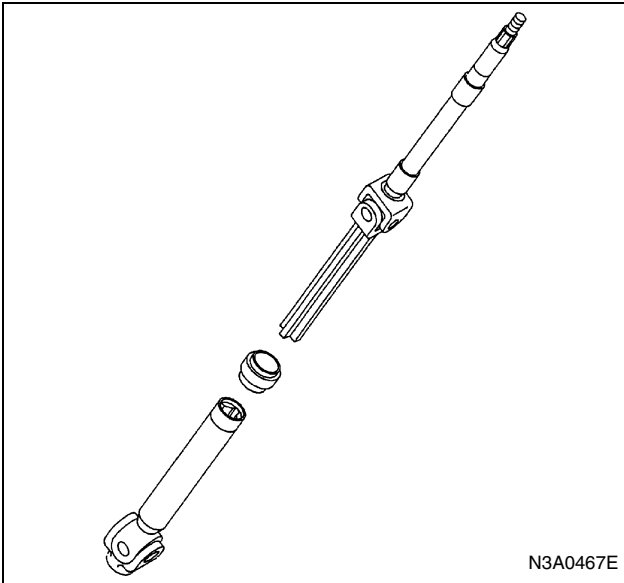


6. Steering Shaft

- Pull the steering shaft out of the column.



- Describe a mating mark on the spline shaft and steering shaft and dismantle them.



7. Steering Column

Inspection and Repair

Clean up the dismantled components to perform inspection over each component.

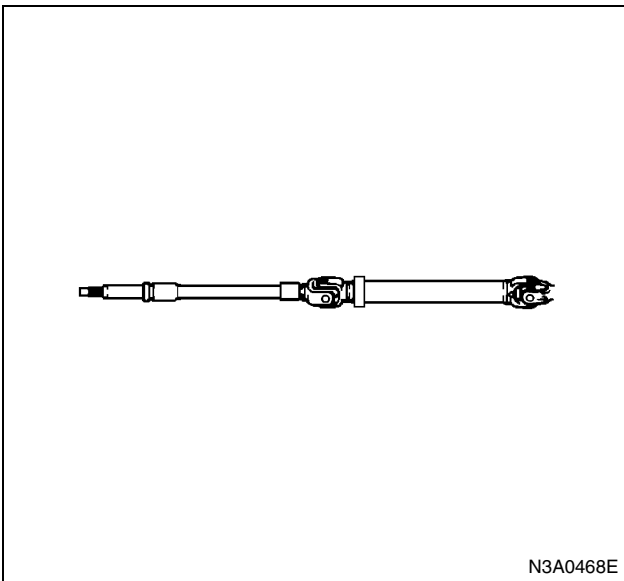
Steering Shaft

- Inspect the bend.
- Inspect the universal joint.
Check the yoke for crack and deformation.
Chattering in the joint pairing.

Caution:

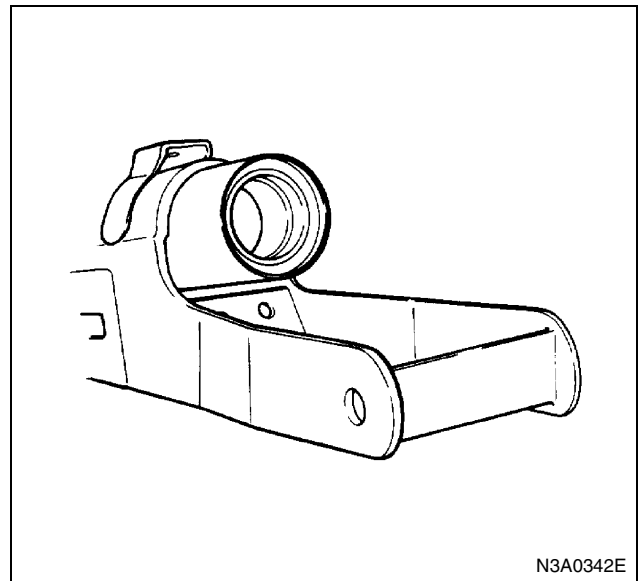
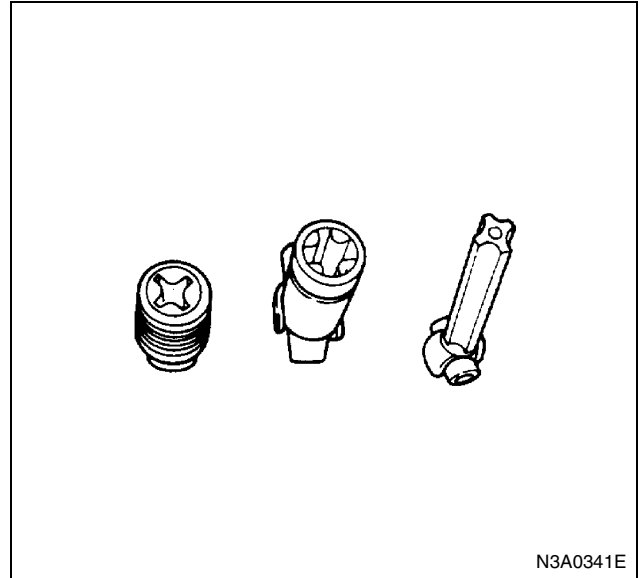
The universal joint is non-repairable type.

- Inspect the spline shaft.
Significant chattering in the turning direction of steering shaft
Chattering in the joints
Fracture and deterioration in the boots



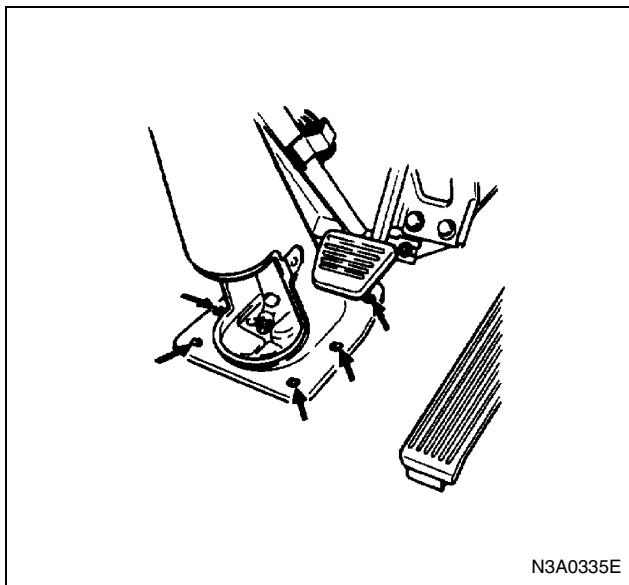
Steering Column

- Check to see if there is no significant deformation in the steering column.
- Check the boots for fracture and deterioration.
- Check the bushing for wear and deformation.



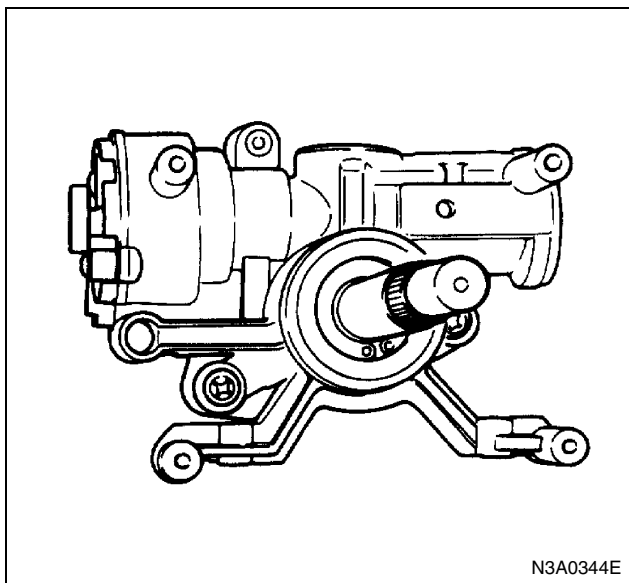
Installation

1. Steering Column
2. Steering Shaft
 - Assemble the steering shaft referring to the mating mark described at the time of dismantling and install the shaft.
 - Install the steering shaft to the steering unit referring to the mating mark described at the time of dismantling.



3. Starter Switch and Key Cylinder Assembly

- Install the steering lock assembly and insert the snap ring positively.
- Use new screws.

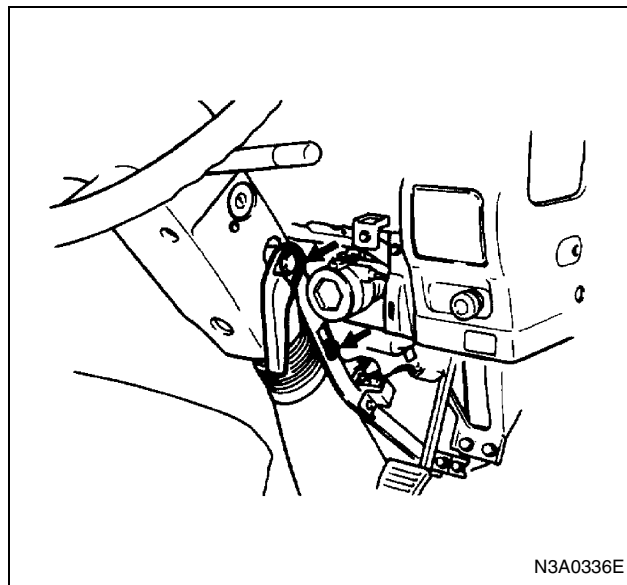


4. Tilt Control (or Support Bolt)

- Tighten the retaining nuts for the lower steering column support brackets to the specified torque.
- Tighten the nuts outside the tilt control to the specified torque to install the lever, and tighten the lever retaining bolts to the specified torque.

Tighten:

- Lower support bolt and nut to 14 N·m (1.4 kg·m/122 lb·ft)
- Tilt control bolt and nut to
 - Bolt : 45 N·m (4.5 kg·m/33 lb·ft)
 - Nut : 16 N·m (1.6 kg·m/12 lb·ft)
 - Nut (Non-tilt) : 20 N·m (2.0 kg·m/14 lb·ft)

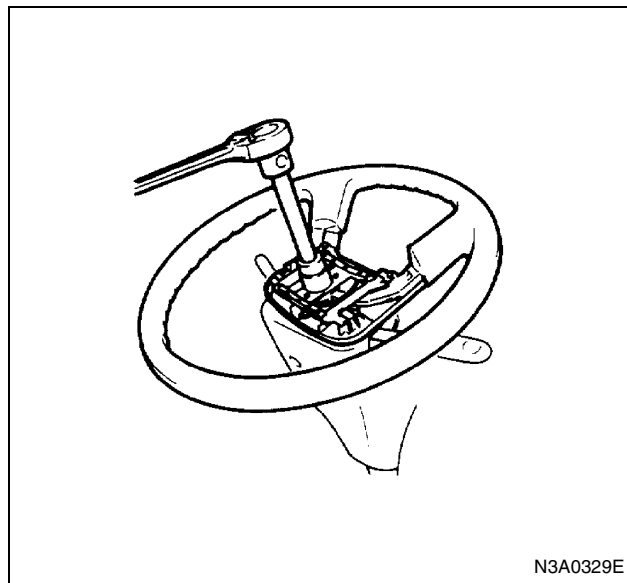


5. Steering Wheel

- Install the combination switch.
- Install the steering wheel and tighten the nuts to the specified torque.

Tighten:

- Steering wheel nut to 50 N·m (5 kg·m/36 lb·ft)



6. Horn Button

7. Steering Cowl

- Hook up the harness connectors and install the steering cowl.