

Steering Column (57.40.06)

Removal

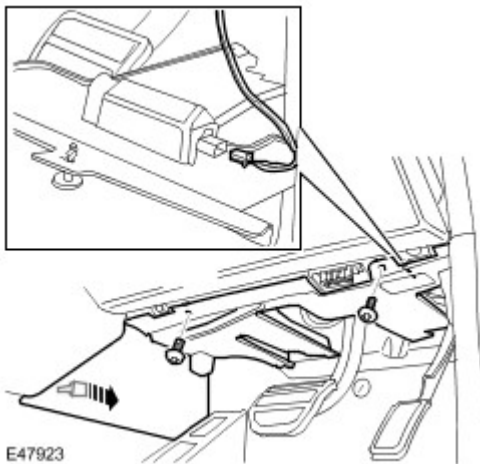


WARNING: Take care if releasing the adjustment lever when the column has been removed from the vehicle. The spring is under a high tension, and if released, could cause personal injury. Make sure fingers are clear from any areas, likely to be trapped.

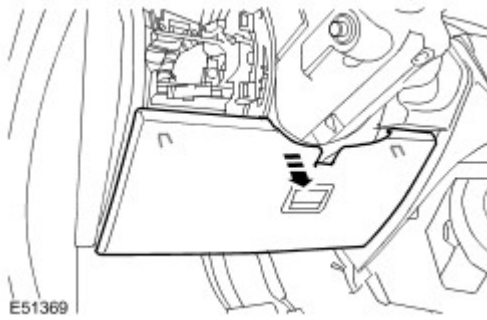


CAUTION: Air tools **MUST NOT** be used on steering column bolts.

1. Fully extend the steering column for access.
2. Remove the steering wheel. For additional information, refer to [Steering Wheel \(57.61.01\)](#) (Section 211-04)
3. Remove the driver side register trim panel. For additional information, refer to [Driver Side Register Trim Panel \(76.46.12\)](#) (Section 412-01)
4. Remove the driver side closing trim panel.
 - Release the clip.
 - Remove the 2 screws.
 - Disconnect the electrical connector.

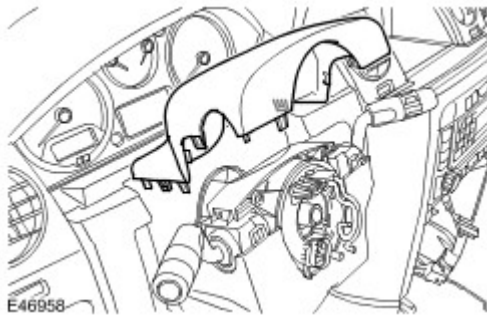


5. Remove the instrument panel access panel.
 - Release the 2 clips.



- 6 . Remove the steering column upper shroud.

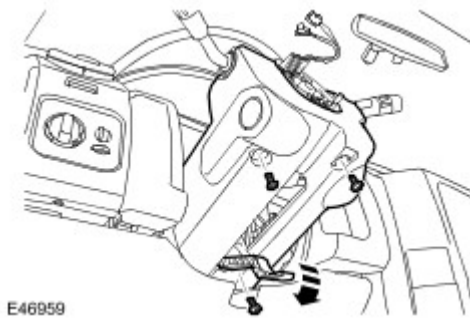
➤ Release the 6 clips.



- 7 . Remove the steering column lower shroud.

➤ Remove the 3 Torx screws.

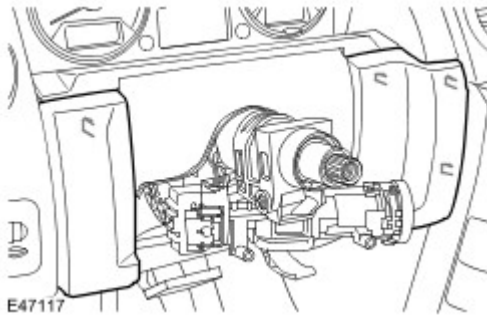
➤ Release the steering column adjustment lever.



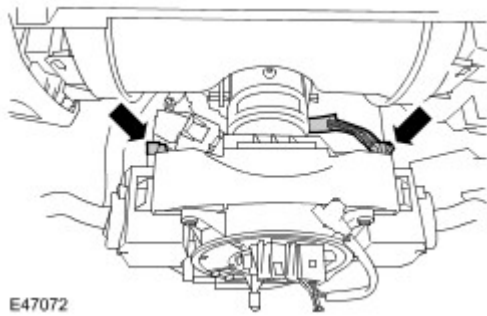
- 8 . Remove the steering column side trim panel.

➤ Release the clips.

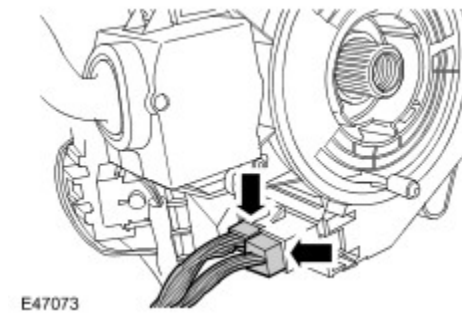
➤ Repeat the above procedure for the other side.



- 9 . Disconnect the 2 electrical connectors from the steering column multifunction switches.



- 10 . Disconnect the 2 electrical connectors from the clockspring.



- 11 . Remove the steering column switch assembly.

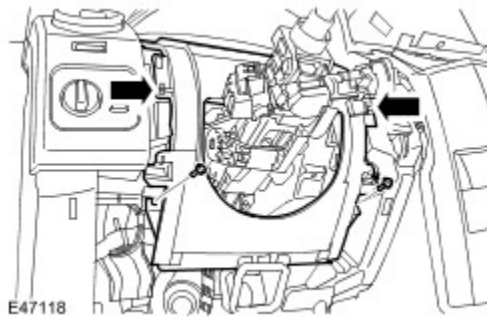
➤ Remove the 4 Torx bolts.



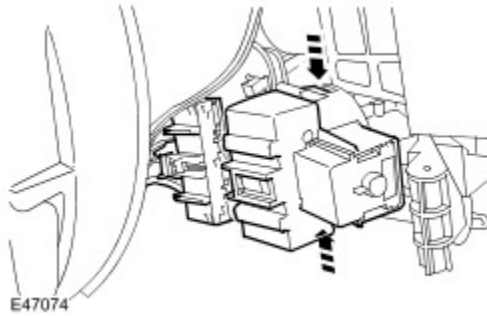
- 12 . Remove the steering column gaiter panel.

➤ Remove the 2 Torx screws.

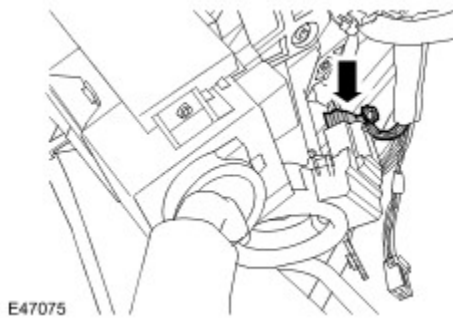
➤ Release the 2 clips.



13. Disconnect the ignition switch electrical connector.



14. Disconnect the passive coil electrical connector.



15. Disconnect the steering angle sensor electrical connector.

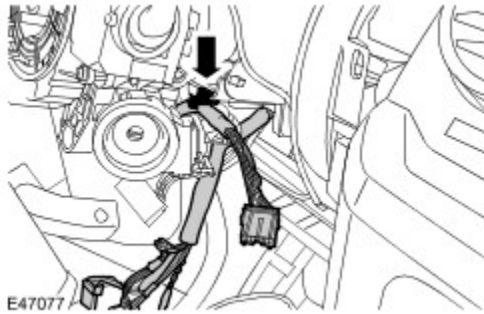


16. If installed, disconnect the steering column adjustment motor electrical connector.



17. Position the steering column wiring harness aside.

➤ Release the clip.




18. Disconnect the steering column intermediate shaft from the steering column.

➤ Note the fitted position.

➤ Remove the special bolt and discard the nut.



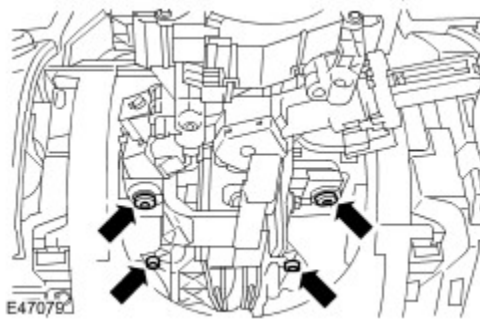
19.  **WARNING:** Take care if releasing the adjustment lever when the column has been removed from the vehicle. The spring is under a high tension, and if released, could cause personal injury. Make sure fingers are clear from any areas, likely to be trapped.



CAUTION: If the steering angle sensor is damaged upon removal of the steering column, the sensor **MUST** be replaced.

With assistance, remove the steering column.

➤ Remove the 4 Torx bolts.



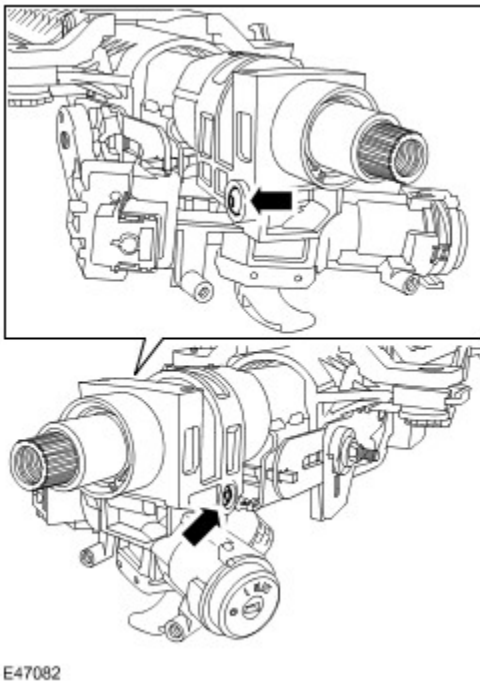
20 .

NOTE :

Do not disassemble further if the component is removed for access only.

Remove the ignition switch assembly.

➤ Remove and discard the 2 shear bolts.



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Remove the steering angle sensor.

➤ Remove the 3 Torx screws.

**Installation**

1. Install the steering angle sensor.
 - Tighten the Torx screws to 3 Nm (2.2 lb.ft).
2. Install the ignition switch assembly.
 - Tighten the shear bolts until the heads shear off.

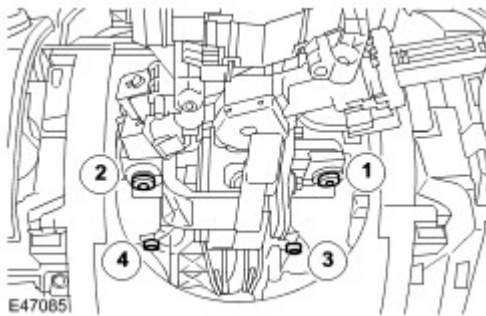
3.  **CAUTION: Make sure the bolt holes are clean and free of swarf.**

-  **CAUTION: The steering column bolts must be tightened by hand a minimum of 3 revolutions.**







-  **CAUTION: Air tools MUST NOT be used on steering column bolts.**

With assistance, install the steering column.

- Tighten the bolts in sequence to 25 Nm (18 lb.ft).



4. Connect the steering column intermediate shaft.
 - Install the special bolt and tighten the new nut to 22 Nm (16 lb.ft).
5. Secure the wiring harness to the steering column.
6. Connect the steering column adjustment motor electrical connector.
7. Connect the steering angle sensor electrical connector.
8. Connect the passive coil electrical connector.
9. Connect the ignition switch electrical connector.
10. Install the steering column gaiter panel.
 - Secure with the clips.
 - Tighten the Torx screws.
11. Install the steering column switch assembly.

-  Tighten the Torx bolts to 3 Nm (2 lb.ft).
- 12 . Connect the clockspring and multifunction switch electrical connectors.
- 13 . Install the steering column side trim panels.
 -  Secure with the clips.
- 14 . Install the steering column shrouds.
- 15 . Install the instrument panel access panel.
 -  Secure with the clips.
- 16 . Install the closing trim panel.
 -  Connect the electrical connector.
 -  Secure the clip.
 -  Tighten the screws.
- 17 . Install the steering wheel. For additional information, refer to [Steering Wheel \(57.61.01\)](#) (Section 211-04)
- 18 . Install the driver side register trim panel. For additional information, refer to [Driver Side Register Trim Panel \(76.46.12\)](#) (Section 412-01)
- 19 . Initiate a new steering angle sensor using T4.