

46: Final drive, D5244T4, TF-80SC AWD

XC90, 2007, D5244T4, TF-80SC AWD, L.H.D, YV1CM714671338226, 338226

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46: Final drive, D5244T4, TF-80SC AWD

**Final drive,
replacing**

Special tools:

951 2928

998 5972

999 7057

Note! As the illustrations in this service information are used for different model years and / or models, some variation may occur. However, the essential information is always correct.

Removal

Preparations

Note! Check that the parking brake is not applied and that the gear selector is not in position P or any selected gear.

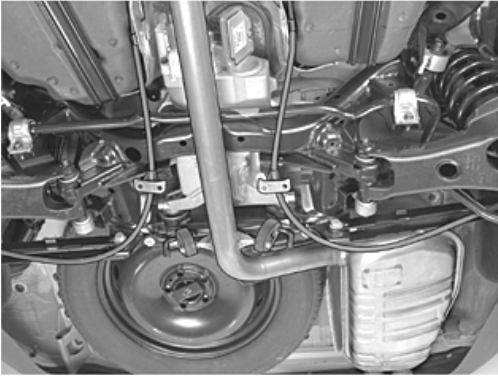
Ignition off
Position the rear lifting arms so that they do not obstruct the front brackets securing the rear axle arms to the body.

Removing drive shafts

Remove the drive shafts on both sides according to: Drive shaft rear, replacing .

Removing the spare wheel and rear

section of the exhaust system



Remove the rear section of the exhaust system and the spare wheel.

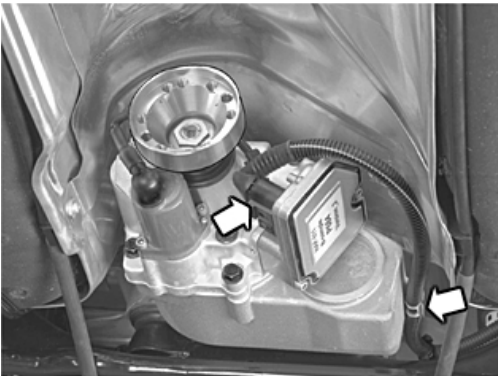
Support the rear edge of the three-way catalytic converter (TWC) so as not to put strain on the exhaust manifold.

Remove the propeller shaft from the final drive and the member for the center bearing. See Propeller shaft, replacing .

Removing the screws for the center bearing member and propeller shaft

Tie up the shaft.
Use the rear cross member as support.
Remove one screw and slacken off the other.
Turn out the member.

Removing the cable harness



Remove the connector from the Differential Electronic Module (DEM).

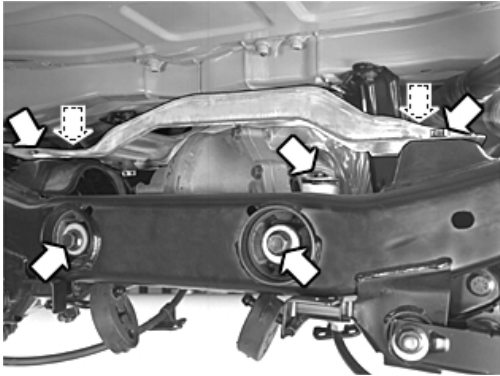
Detach the cable harness from the final drive housing and the mounting in the rear axle member. Fold the cable harness to one side to prevent damage when removing the final drive.

Removing the final drive

Remove:

- the cover for the rear axle member
- the screw for the front mounting for the final drive housing.

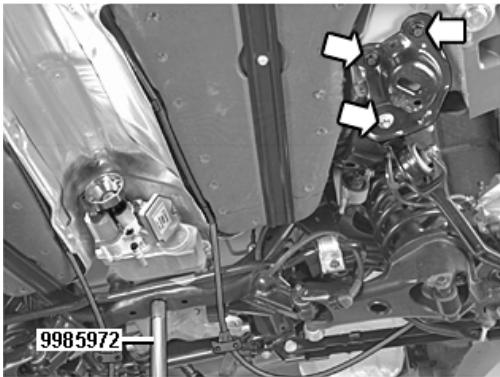
Slacken off the 2 rear screws for the rear axle member/final drive



housing. Leave the screws in place by a few threads.

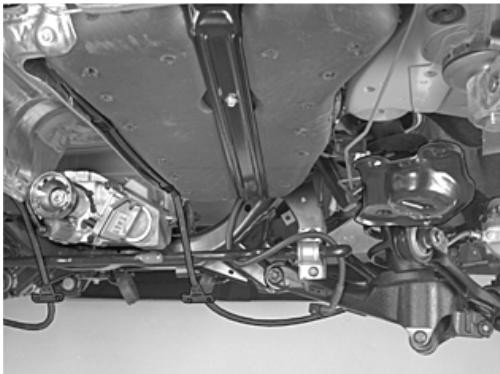
Removing the rear axle member

Bring 998 5972 into light contact with the front section of the rear axle member. Remove the screws from the front mounting in the body for the rear axle member, on both sides. Carefully lower the frame. Remove the jack.



Removing the final drive housing

Support the final drive housing. Remove the two loose screws. Lift out the final drive housing from the rear axle member. Position the final drive housing on a workbench.



Replacing the final drive housing

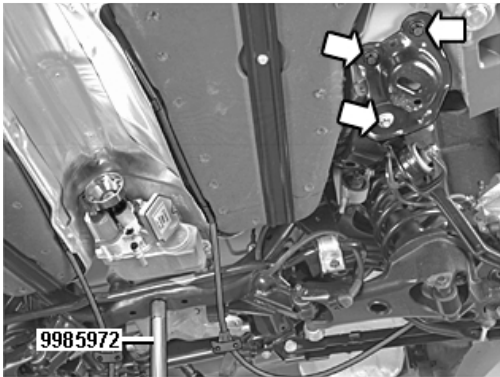
When replacing the final drive, see: Final drive, transferring components .

Installation

Note! For tightening torques, see: Tightening torque .

Note! To ensure that there is no exhaust leakage, see: Flanged joint, assembling .

Installing the rear axle member



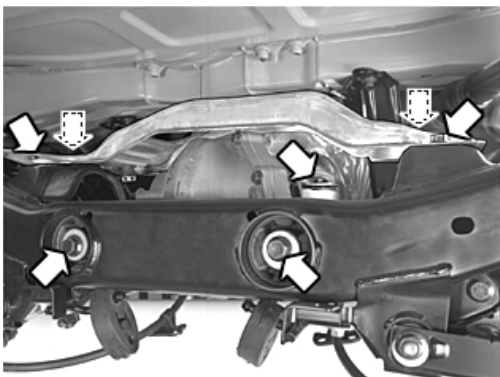
Install the final drive housing in the rear axle member. Loosely secure the final drive housing to the rear bushings in the frame using screws. Bring 998 5972 into light contact with the front section of the rear axle member.

Install:

- the screws for the front mounting in the body for the rear axle member, on both sides.
- the 2 x M12 screws for the bracket/body. Tighten.
- the M14 screw for the bracket, the rear axle frame and body. Tighten. See: Tightening torque: Summary of tightening torques for specific components .

Remove 998 5972 .

Installing the final drive housing

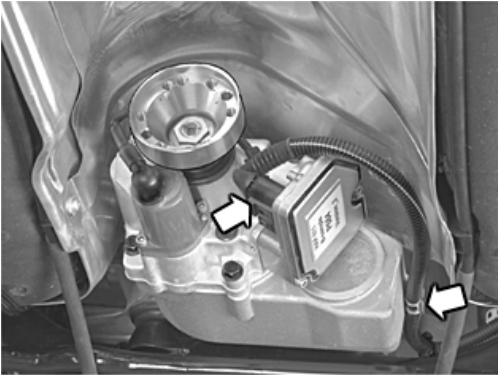


Install:

- 1 M12 front screw for the final drive housing. Tighten
- the cover for the rear axle member using 4 M12 screws. Tighten
- the 2 x rear M12 screws for the sub-frame/final drive housing. Tighten.

Installing the cable harness

Connect the connector for the differential electronic module (DEM). Install the cable harness in the mounting in the rear axle member.

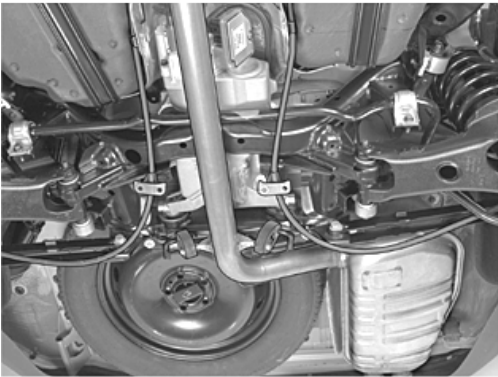


Install the propeller shaft on the final drive. Install the member for the center bearing. See: Propeller shaft, replacing .

Installing drive shafts

Install the drive shafts on both sides according to: Drive shaft rear, replacing .

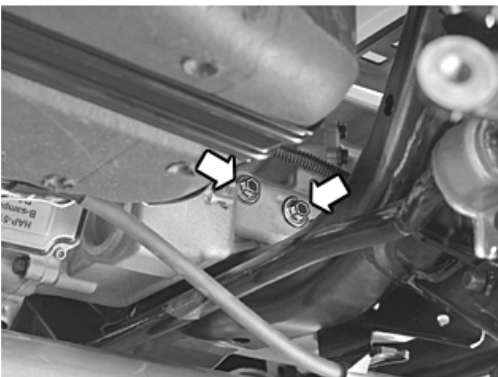
Installing the spare wheel and rear section of the exhaust system



Check that the gasket for the flanged joint between the front and rear exhaust pipe is not damaged. Replace if necessary.

Install the rear cross member. Use 2 x M8 screws. Tighten.

Filling and checking the oil level



Top up and check the oil level in the active on demand coupling (AOC) (the front level plug) and in the final drive (the rear level plug). Use oils, see: Lubrication transmission . Tighten both the level plugs. See: Tightening torque:Summary of tightening torques for specific components .

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