

Document Information

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Vehicles affected: All Models

Location: Powertrain Transmission – Rear Axle

Concern: Clutch oil leak from the clutch oil filter cover

Condition: Permanent

Diagnostic Trouble Codes

N/A

Measure

Care Point: For any Work Package raised related to transmission, the Transmission Form must be completed and attached to the relevant warranty claim.

If a leak from the clutch oil filter cover has been identified (as shown in the image below), follow the steps included in this document before considering replacing any parts.



1. Capture images of the area with the leak
2. Clean up and dry the transmission
3. Apply leak detector spray in the area that has previously leaked
4. Bring vehicle to operating temperature (test drive if necessary)
5. Inspect the transmission to confirm the source of the leak (if still present)
6. Capture new images of the leak
7. If the leak is confirmed that is from the cover, proceed to the next step. If no further leaks have appeared no further action is required
8. If the leak continues, unscrew the 4 bolts to remove the cover
9. Clean the surface thoroughly to ensure is completely free of clutch oil

10. Check the condition of the O-ring and then check if there is porosity on the clutch housing where the O-ring fits

- If the area is not porous, proceed to Step 14
- If the area is porous, proceed to Step 11

11. Apply a metal filler leaving an excess thickness for the sanding process - [click here for reference product](#)

12. Allow the filler to dry completely as per the specific instructions of the product used

13. Sand the excess compound in 2 phases with different grit sizes, coarse and fine

14. Replace the O-ring and reassemble - the O-ring must be replaced each time the clutch oil filter cover is removed

15. Apply Loctite 242 on the clutch oil filter bolts before assembly to seal possible porosity inside the threaded holes as well

16. Once the above steps have been completed bring the vehicle to operating temperature (test drive if necessary)

17. Inspect the transmission to confirm if the leak is still present

18. If the leak remains, submit a Technical Request and make reference to this MTI

Attachments

Example Chemical Metal compound



Specifications:

Part Number	Container	Product	Colour	Typical Use	Gap Fill	Category	Strength (PSI)* Tensile Shear	Fixture Time	Full Cure	Temperature Range
QM50A	25ml syringe	PermaPoxy™ 5 Minute General Purpose Epoxy	Semi-Clear	Fast cure epoxy	.125"	2 Part Epoxy	3,400	10-15 min.	16 hrs.	-51° to 82°C (-60° to 180°F)
14600	56g tube	Permatex® Cold Weld	Grey	High temp. adhesive & filler system	.250"	2 Part Epoxy	3,000	10-15 min.	16 hrs.	-51° to 150°C (-60° to 300°F)
21425	10 x 4g cups	Permatex® Fast Cure Epoxy	Grey	Single Use	.250"	2 Part Epoxy	2,000	10-15 min.	24 hrs.	-54° to 82°C (-65° to 180°F)
84119	25ml syringe	PermaPoxy™ 4 Minute Multi-Metal Epoxy	Grey	Fast cure epoxy	.250"	2 Part Epoxy	4,500	10-15 min.	16 hrs.	-51° to 150°C (-60° to 300°F)
84125	25ml syringe	PermaPoxy™ 5 Minute Plastic Weld	Cream	Structural adhesive	.125"	2 Part Epoxy	3,500	10-15 min.	16 hrs.	-51° to 121°C (-60° to 250°F)
84162	25ml syringe	PermaPoxy™ 1 Minute Clear Epoxy	Semi-Clear	Fast cure epoxy	.125"	2 Part Epoxy	2,500	1 min.	1 hr.	-51° to 82°C (-60° to 180°F)
84219	59ml tubes	PermaPoxy™ 4 Minute Multi-Metal Epoxy	Grey	Fast cure epoxy	.250"	2 Part Epoxy	4,500	10-15 min.	16 hrs.	-51° to 150°C (-60° to 300°F)
84319	56g stick	PermaPoxy™ 4 Minute Multi-Metal Epoxy Stick	Grey	Fast cure epoxy stick	.500"	2 Part Epoxy Putty	3,500	10-15 min.	16 hrs.	-51° to 150°C (-60° to 300°F)

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