



This Service Information bulletin supersedes SI B24 04 12 **dated November 2013**.

SUBJECT

ZF Automatic Transmission Oil Leaks, Diagnosis and Scope of Repairs

MODEL

All with ZF 5-, 6-, or 8-speed Automatic Transmissions

SITUATION

An oil leak has been found and verified as coming from the vehicle's ZF automatic transmission.

PROCEDURE

8HP Transmissions

- No 8HP transmission repairs of any kind are to be carried out without prior ZF specialist consultation via a TC PuMA case; refer to [SI B24 05 12](#).

NEW Diagnostic Hint:

Prior to PuMA case submission, perform ISTA NED Test Plan ABL-DIT-W2460_TSG086 ("Oil Leak at Transmission") in conjunction with function description FUB-HIL-RHI-240002_A08 ("Gearbox Leakage"). The FUB complements the NED test plan with all necessary illustrations (see attachment).

Note: In case the NED/FUB "Oil Leakage" test plan is not found for the particular VIN, use ISTA manual vehicle determination (e.g. F25, X3 3.0D, 07/2014 production). This test plan will be included for all models equipped with 8HP transmissions in the next ISTA versions.

In order to accurately detect sources of leaks, use the BMW Powder Spray BM83 19 2 358 648 (as instructed by the test plan).

5HP and 6HP Transmissions

Any leaking **external** seal may be replaced; refer to the following list of components that can be repaired in the event of an oil leak:

- Oil pan gasket
- Radial seals (torque converter, selector shaft, and output seal)
- Oil pump screw sealing washers
- Extension housing O-ring (5HP models only)
- Electrical connector O-rings or Mechatronic sealing sleeve
- Screw plugs

- Cooler line seals

All other ZF automatic transmission repairs for an oil leak are **not approved** to be performed, regardless of whether a repair procedure exists for it in ISTA.

Exceptions to this policy are any specific repair procedures which are published in a Service Information bulletin.

Important!

Under no circumstances should the oil pump assembly ever be removed from any ZF transmission.

Specific questions relating to leak diagnosis and repair can be addressed via a TC PuMA case. The ZF team will provide a recommendation for the proper approved repair.

If an oil leak repair is carried out and the ZF transmission is subsequently still leaking, a TC PuMA case submission is strongly encouraged.

PARTS INFORMATION

The EPC part description “supplement” information for ZF transmissions will contain the letters “HP” and end with the letter “Z.” For example: GA6**HP**26**Z**.

NEW Bulk Material - Sublet

Part Number	Description	Quantity
83 19 2 358 648	BMW Powder Spray (300ml)	As needed

NEW WARRANTY INFORMATION

Approved ZF Transmission Repairs

Claims for ZF transmission repairs **with TC PuMA case approval** as described above, are covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Claim eligible and covered work with the applicable defect code and labor operations listed in KSD2.

Non-Approved ZF Transmission Repairs

Claims for ZF transmission repairs **without TC PuMA case approval**, including consequential repairs, will not be accepted.

ATTACHMENTS

View PDF attachment [B240412 Attachment FUB GearboxLeakage.](#)

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