



Connection offline

Technical Service Bulletin

Transaction No.: 2043146/3

40-16-01 - Strut or Shock Absorber Leak Assessment

Condition

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2006-2025	All	All	All	All

Revision Table

Instance Number	Published Date	Version Number	Reason For Update
2043146/3	7/14/2025	40-16-01	Update to model and model year applicability.
2043146/2	2/20/2023	40-16-01	Update to include current Model Year
2043146/1	02/2/2016	40-16-01	Original publication.

Customer states one or more of the shocks/struts appear to have an oil leak.

Technical Background

Oil residue on the piston rod or shock/strut body may be normal, see Service for further details.

Production Solution

Information only.

Service

Information for assessing whether a shock/strut has a leak or not:

- Only inspect shock/strut when vehicle is clean and dry.
- Ensure no other leaks are present in the area that may lead to misdiagnosis.

Leaking Shock Absorber:

- An oil residue that runs down the shock/strut body may indicate a leak (see figure 1 and 2).



Figure 1) shock/strut Leak



Figure 2) shock/strut leak

Shock/Strut with Minor Oil Film:

- A slightly dried oil residue at the top of the shock/strut does not indicate a leak (see figure 3 and 4).

This type of residue can be caused by shock/strut assembly and sweating around the seal.



Figure 3) Not a leaking shock/strut



Figure 4) Not a leaking shock/strut

Warranty

Information only.

Required Parts and Tools

Information only.

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

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