

# 26-057 DT12 OVX Transmission Refresh

## TSB-26-057-FTL

Creation Date: 2025-02-04

### Engine or Vehicle Affected:

► New Cascadia

This is an informational bulletin only. The described condition is a product improvement and is not warrantable.

### Described Condition

Customers with DT12 OVX model transmissions, which meet specific application criteria are required to 'refresh' the transmission at 180,000 miles (289,620 km) to maintain the extended warranty coverage. When customers request this work to be performed for this purpose, the information below is applicable.

### Factors

For vehicles domiciled in Australia hauling greater than 160,000 lbs (72,640 kg), with extended warranty coverage codes WAK-269, WAK-344, and WAK-346, and cumulative trip time engine revolutions per minute (rpm), drive load, and fuel economy data, all meeting or exceeding the following levels, a documented transmission refresh is required to maintain coverage. See Fig. 1.

- Total percent of trip time, for engine speed over 1,300 rpm, greater than 40%.
- Average drive load greater than 40%.
- Fuel economy less than 4 mpg (1.7 km/L).

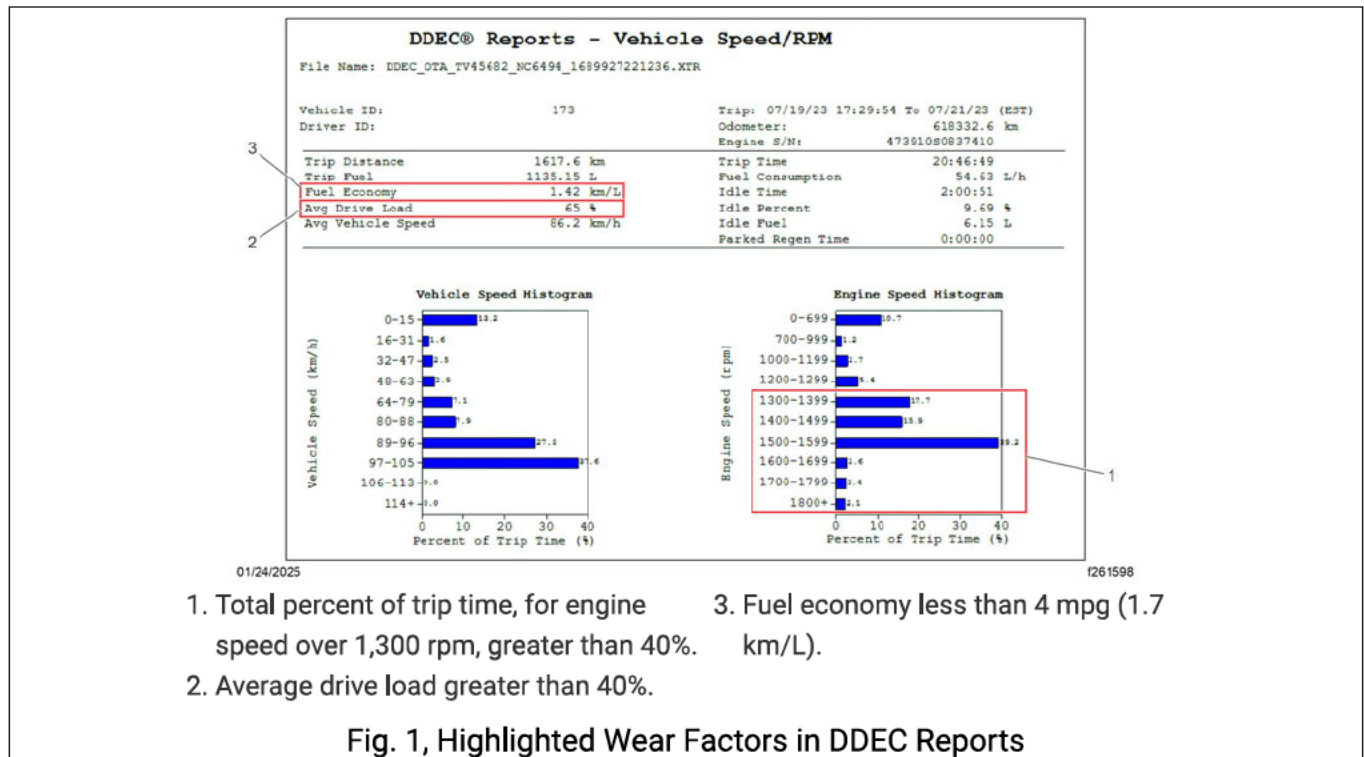


Fig. 1, Highlighted Wear Factors in DDEC Reports

**Refresh**

This process involves several individual repairs requiring special tools, instructions, and training. These include removing the transmission from the vehicle, setting it in the service stand and removing the front cover, and removing the clutch and flywheel from the engine.

1. Clutch replacement – For detailed instructions, see the applicable workshop manual.
2. Flywheel resurfacing or replacement – For detailed instructions, see the applicable workshop manual, and follow the industry best practice standards for ensuring a quality repair when replacing the clutch.
3. Pilot bearing replacement – For detailed instructions, see the applicable engine workshop manual.
4. Front cover shim adjustment – For detailed instructions, see **Chapter 8.4: Front Cover** in the *Detroit™ Transmissions Manual*.
5. Input shaft seal replacement – For detailed instructions, see **Chapter 8.5: Input Shaft Seal** in the *Detroit™ Transmissions Manual*.
6. Concentric Pneumatic Clutch Actuator (CPCA) and O-ring replacement – For detailed instructions, see **Chapter 4.5: Clutch Actuator Assembly** in the *Detroit™ Transmissions Manual*.

## **Documentation**

The customer needs to show the proof of this work being completed. Provide a detailed parts list with an accurate account of the mileage in the service record.

## **Warranty**

This is an informational bulletin only. The described condition is a product improvement and is not warrantable.

**Note:**

026-001-063

F16

F26

F35

F36

REPLACE

REMOVE

INSTALL

ADJUST

Document Number: 0000147193

Topic Publication Date: 2025-02-04