

TECHNICAL TOPICS

POWERTRAIN




20MY – Onward Discovery Sport, RR Evoque

Customer Voice:
 – There is an odor from the vehicle after driving for a long time.

Technical Description:
 – Some perceive the odor to be a fuel odor, but no evidence of a fuel leak or any other leaks are identified.
 – The fluid in the PTU can emit an odor when heated which is expelled out of the vent.

Status:
 – Reference the published **TOPIx Workshop Manual 205-02A: Rear Drive Axle/Differential – Vehicles With: MHEV/Non-Electric Vehicles > Diagnosis and Testing** section for pinpoint tests to assist in diagnosis.
 – If no obvious overheat signs are present and the PTU oil condition is acceptable as compared to the color charts, smell an oil sample to determine if that may be the cause of the complaint. Complete a fluid flush of the PTU if the oil is the cause of the odor.
 – Raise a FRED if diagnosis results in recommendation to replace the PTU.

A1: POWER TRANSFER UNIT OVERHEAT CHECK1	
TEST CONDITIONS	DETAILED INSTRUCTIONS
	1 Investigate the source of the burnt oil smell and inspect the PTU for visible oil leaks.
	Is the source of the burnt oil smell coming from the PTU? Yes GO 14-2 No GO 14-4 GO 14-4A
A2: POWER TRANSFER UNIT OVERHEAT CHECK2	
TEST CONDITIONS	DETAILED INSTRUCTIONS
	1 Inspect the PTU for oil leaks and draining due to excessive heat.