

TECHNICAL TOPICS

POWERTRAIN



Complaint of Odor	20MY – Onward Discovery Sport, RR Evoque
<p><u>Customer Voice:</u></p> <ul style="list-style-type: none"> There is an odor from the vehicle after driving for a long time. <p><u>Technical Description:</u></p> <ul style="list-style-type: none"> 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. <p><u>Status:</u></p> <ul style="list-style-type: none"> 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. 	<p>The screenshot shows two diagnostic steps:</p> <ol style="list-style-type: none"> TEST CONDITIONS: AI: POWER TRAINS, INT: OIL LEAK CHECK RECOMMENDATIONS: 1. Investigate source of the burnt and acrid smells in the PTU for visible leaks. <p>Below this, there is a question: "Is there any visible oil leak in the PTU?" with options "Yes" (G034C) and "No" (G034A).</p> <ol style="list-style-type: none"> TEST CONDITIONS: AI: POWER TRAINS, INT: OIL LEAK CHECK RECOMMENDATIONS: 1. Inspect the PTU for oil leaks to determine if there are any leaks in the rear. <p>An image of the PTU (Power Transfer Unit) is also visible.</p>

