




TECHNICAL TOPICS

POWERTRAIN



Odor after driving	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. 	<table border="1"> <thead> <tr> <th colspan="2">A1: POWER TRANSFER UNIT OVER HEAT CHECK 1</th> </tr> <tr> <th>TEST CONDITIONS</th> <th>DETAILS/RESULTS/ACTIONS</th> </tr> </thead> <tbody> <tr> <td></td> <td> 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 to A2. No GO to A4. </td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">A2: POWER TRANSFER UNIT OVER HEAT CHECK 2</th> </tr> <tr> <th>TEST CONDITIONS</th> <th>DETAILS/RESULTS/ACTIONS</th> </tr> </thead> <tbody> <tr> <td>  </td> <td> 1 Inspect the PTU pinion oil seal for oil leaks and damage due to excessive heat. </td> </tr> </tbody> </table>	A1: POWER TRANSFER UNIT OVER HEAT CHECK 1		TEST CONDITIONS	DETAILS/RESULTS/ACTIONS		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 to A2. No GO to A4.	A2: POWER TRANSFER UNIT OVER HEAT CHECK 2		TEST CONDITIONS	DETAILS/RESULTS/ACTIONS		1 Inspect the PTU pinion oil seal for oil leaks and damage due to excessive heat.
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