

DTP-02A
Approved Durability Test Procedure

This durability test procedure has been approved by CARB in accordance with section 4.2 of TP-933 – <i>Test Procedure for Determining Evaporative Emissions from Off-Highway Recreational Vehicles</i> , and may be used by any applicant to comply with the requirements of that section.			
Item	Condition	Reference	Criteria
UV*	Ultraviolet radiation dose > or = 154 x 10 ⁵ W·s/m ²	N/A	No leakage when tested at 30 kPa for 1 minute. Deformation or cracks are not acceptable upon visual inspection
Vibration	4.5 x 9.8 m/sec ² at 60 Hz 10,000,000 cycles for each axis (left-right, forward-back)	CARB TP-933 4.1.2 Canister Vibration	No leakage when tested at 30 kPa for 1 minute. Deformation or cracks are not acceptable upon visual inspection
Ozone	150 ppb +/- 5 ppb at 30 deg C Total time: = 120 hr	TP-1503 Section 5.2.5	No leakage when tested at 30 kPa for 1 minute. Deformation or cracks are not acceptable upon visual inspection
Dust	JIS Z 8901 Class 8 > or = 100 ug/m ³ Total cycle: 300 time (open/close) PRV connected to canister and filter	TP-1503 Section 5.2.4	No leakage when tested at 30 kPa for 1 minute. Deformation or cracks are not acceptable upon visual inspection

*UV exposure procedure is based on location of the PRV. This approved procedure is only allowed for a pressure relief valve (PRV) that is installed in a location that is shielded from direct UV exposure and is not exposed to more than 10% of direct UV radiation. The manufacturer must demonstrate exposure to UV radiation through an engineering analysis and submit this to CARB as part of the certification application. The use of this or any modified UV procedure is at the discretion of CARB.