

ROAD TEST SIMULATION (RTS) AUTOMOTIVE RESEARCH AND DEVELOPMENT CENTRE (ARDC)



HISTORY:

- Opened in 1996 with 2 car test rigs and one 4 post enviro chamber
- In 1999 added a ½ truck rig
- Expanded in 2001 to add 3 full truck rigs
- In 2010 added 2 steering system durability rigs

CAPABILITIES:

- Perform durability testing and data acquisition on all North American vehicle programs for approximately 40-60 tests per year.

VEHICLE PROGRAMS SUPPORTED 2026 YTD:

- Jeep® Grand Wagoneer, RAM 1500, Ram 2500, Jeep Cherokee, Chrysler Pacifica, Dodge Charger



4 DOF Passenger Car Rig



4 Poster Environmental

PARTNERSHIPS:

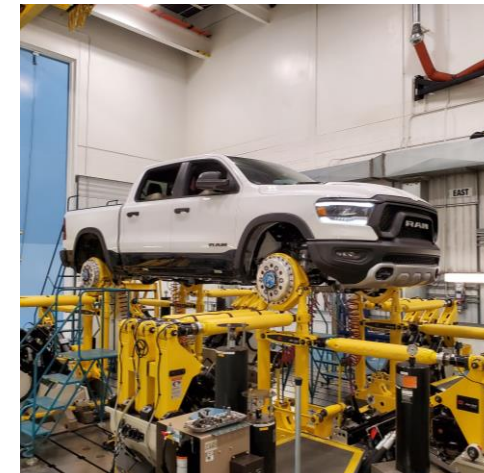
- Support mentoring of University of Windsor engineering co-op students, via two work placements each semester.

FUN FACT:

- Total equivalent mileage per year of about 10-15 million km driven with a total mileage over 30 years of about 200 million km driven, over 500 trips to the moon!



Steering System Test Rig



6 DOF Full Truck Rig



6 DOF Truck ½ Rig