

Rain Tracker Model: RT-50

Vehicle-Specific Installation Instructions

The [instructions](#) included with the product tell you how to install a Rain Tracker. This page gives special vehicle-specific information. Print this page using your browser's print function.

Application Vehicles

These instructions apply to these vehicles, which all have similar wiper systems:

LAND-ROVER LR3 05 - 07

Wiring Diagrams and Drawings:

[2005 Land Rover LR3](#)- Drawing applies to all application vehicles listed above. **Print this.**

[RT-50 - HSS \(Hot Side Switching\)](#)- Included with product, so print only if needed.

[Troubleshooting procedure](#)- Print if needed.

Wire colors used in this vehicle:

+12V - LOCATE
GROUND - CHASSIS
FAST - RED/LT-GRN
SLOW - BLU/LT-GRN
CAM - WHT/GRN

Special Rain Tracker Installation Notes for this vehicle:

If you did the digital switch test and the wipers stopped in the middle of the windshield, the RT-50 will NOT work with your vehicle. You will need to use the RT-50A.

DIGITAL SWITCH SYSTEM

These vehicles have a digital switch system and may need to utilize the CAM Feedback input only available on the Rain Tracker model RT-50A. Check for this using the instructions below.

INSTRUCTIONS FOR DIGITAL SWITCH TEST (AT THE WIPER MOTOR)

For some digital switch systems, the software of the body control module can cause the wipers to occasionally stop in the middle of the windshield. The problem is that the body control module does not run the wipers back to the home position after the Rain Tracker initiates a wipe. You can check that the system does NOT exhibit this by:

1. Cut the SLOW wiper motor wire where you would install the Rain Tracker at the wiper motor.
2. With the vehicle on, momentarily connect the motor side to +12V, then back to the switch side, restoring the original SLOW connection.
3. If the wipers run back home, the Rain Tracker should have no compatibility problems. But, if they stop in the middle of the windshield, you will need to use the CAM Feedback Input located on the RT-50A.

Use the instructions included in the Rain Tracker kit until you get to step 5a. "Make the interface connections." At that point, use these instructions along with the diagram that can be printed above.

Mount the Rain Tracker control module in the passenger compartment under inst. panel. Find suitable power and ground. Extend the FAST, SLOW and CAM (if needed) connections to the Rain Tracker through the firewall to reach the wiper motor. Some models and years may vary slightly in wire colors. Factory drawings can be wrong, so, confirm wire colors with a multimeter.

FIND +12V

For Rain Tracker power (+12V), locate a source of power hot in accessory or run. Power source should be min. 12-16ga. wire on a 15-25A circuit. This can be one of the +12V sources as shown on the diagram, or some other accessory source. The cigarette lighter is often a good +12V source.

FIND CHASSIS GROUND

Find a suitable screw or bolt on the metal chassis of the vehicle to use as the Rain Tracker ground. Scrape away paint as needed for a good connection. Use a multi-meter to verify that the ground connection is at most a few ohms. The cigarette lighter can also be a good alternate for ground and/or power.

The Rain Tracker wiper control system features better rain sensing performance than many OE rain sensor systems. Hydreon Corporation tests all its products to exacting standards. This page generated by vehicle data file name: land_rover_lr3_05-07.veh

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