Prior to Installation

Cover all surfaces with tape or plastic protection film to protect against scratching and damage. EchoMaster is in no way responsible for any damage that may incur during installation.

This product has been validated in the vehicles listed on the application guide only.

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure proper installation. Read entire instructions thoroughly before starting.

This document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc).
- Vehicle Disassembly / Reassembly (panel removal, part storage, etc).
- Electrical Component Disassembly / Reassembly (battery disconnection, connector removal, etc).

NOTES:

Removed Parts: Inspect the vehicle and parts for any damage.

Place all removed parts on a protected surface in an area where they will not get damaged.

Connectors: When disconnecting connectors, do not pull on the wires; pull by holding the connectors.
Vehicle Preparation & Protection

CAUTION

Consult your vehicle owner’s manual to disconnect the battery. Do not disconnect ANY airbag connectors or indicators. Doing so may result in activating a diagnostic code. These codes will require the dealer to perform the reset procedure which may incur a reset fee. If you are unsure of any vehicle trim removal process consult the OEM service manual.

Removing vehicle trim panels in extreme hot and/or cold climate could result in damage. Use care when removing all vehicle trims.

Using painter’s Blue tape on the vehicle trim panels can help limit any scratches and/or marring. Use a nylon trim panel removal tool whenever possible.

Required Tools

![Required Tools Image]

- 7mm Driver
- 10mm Driver
- Nylon Trim Removal Tools
- Torx - 15
- Electrical Tape

Illustrations are typical and may not match exact vehicle details
Removing the Dash

Step 1
Using a plastic dash removal tool, remove the LCD display facia panel.

Step 2
If installed, remove the heated seat connector plugs from the back of the unit.

Step 3
Remove the 4 x 7mm bolts from around the LCD display.

Once screws have been removed, pull the unit from the dash.
Step 4
Unplug the 3 connectors from the back of the LCD display assembly and set aside.

Steps 5 & 6
Remove the 2 x 7mm screws from the CD/DVD mechanism.

Next, unplug the CD/DVD mechanism and set aside with the screws from step 4.

Step 7
Remove the 4 x T-15 torx screws from the glove compartment (2 from top and 2 from bottom).

Remove the glove compartment and set to one side.
Removing the Door Panel(s)

Step 1
Remove the plastic cover and unscrew the 2 x 7mm bolts.

Step 2
Next, remove the plastic cover from the door release handle and unscrew the 1 x 7mm bolt underneath.

Step 3
Unscrew the 2 x 7mm bolts from the bottom of the door panel.
Step 4
Using a plastic trim removal tool, unsnap the 4 clips and remove the plastic trim from the armrest and set aside. Once the trim is removed, unscrew the 7mm bolt found underneath the trim.

Step 5
Pulling straight towards you release all plastic clips.

⚠️ WARNING
Top clips are very tight.

Step 6
Release red lock tab from door wiring harness and unlock door harness connector.
Removing the Door Panel(s) - continued

Step 7
Unclip door handle release assembly by pressing on top and removing cable from handle assembly. Set the door panel aside.

Repeat the steps above for the opposite door panel.

Step 8
Remove plastic window bezel by removing two plastic push pins and one clip located in sail panel. Set plastic window bezel aside.

Repeat steps for opposite side door.
Steps 9-11
Unplug mirror assembly from door and remove three harness fasteners.

Remove 3 x 10mm nuts from mirror assembly (some models have 3 x 10mm nuts).

Remove mirror from door and set aside.

⚠️ WARNING
Take care not to scratch door when removing. Mirror has one plastic clip securing it to door frame. Medium force required to remove mirror assembly from door.

Repeat for other side

Removing the Door Sill(s)

Step 1
Remove passenger front and rear door sill plastics.

Set aside.
Removing the Mirror

**Step 1**
Using a plastic trim removal tool remove the bottom mirror cap from the mirror assembly.

**PLEASE NOTE**
Using two plastic tools to work the cover off is recommended.

Be sure not to scar plastic from mirror assembly.
Step 2
Using plastic pry tool remove top arm cover of mirror assembly.

Installing Mirror Pod Assembly

Using a zip tie taped to the camera harness route wire from bottom of mirror through the mirror and out the top.

Route the camera harness alongside the factory wiring and secure with zip ties.

Snap EchoMaster mirror pod cap back on mirror assembly.

Re-install mirror onto vehicle.
Route Camera Extension Harness

Starting from inside door, route the female end of the cable through the round factory grommet (must cut hole).

Route the cable through the rubber door boot (easily done using a long zip tie taped to harness). The wire should pass into the car below the factory door connector.

Route the cable under the dash to the appropriate connector on the main harness extension.

Use zip ties to secure wiring.

[Images of wiring and connectors]

**WARNING**

Be sure to align the connector the correct way, failure to do so will result in damage.
Route Camera Extension Harness

Route main harness extension cable through dash.

This should pass through hole located behind CD/DVD player and exit from bottom of dash.

Camera 1 = Drivers Door  
Camera 2 = Passengers Door  
Camera 3 = Optional Camera  
Camera 4 = Trailer Camera

Route Camera Extension Harness (Rear)

Remove front and rear door sill plates and route extension harness(s) to the rear of the vehicle (passenger side only).

Remove 1 x 7mm bolt from C-pillar panel and remove panel. Route wire to bottom corner of rear window and secure with zip ties.

email - gmsupport@echomaster.com (US) - tel - 866-766-2267
Installing Wireless Receiver

Plug in wireless receiver module.

**WARNING**

Be sure to orient the plug correctly otherwise damage will occur. Use two sided tape to fasten to rear window.

Mount Module to Bracket

Mount module to bracket using the four provided M3 screws.
Module Connections

Connect 8-pin power t-harness to module. Next, connect 16-pin main camera extension cable to module. Then, fasten harnesses to the bracket using zip ties through the holes provided.

Please select the size of the monitor using dip switch 1.
► Up for 8” / Down for 4”.

Please select the reverse camera input option using dip switch 2.
► Up for OEM reverse camera
► Down for EchoMaster/aftermarket camera.

Mounting the Module

Plug CD/DVD player back in. Route male/female LVDS connections from center stack to glove compartment opening. Place CD/DVD back in to dash and slide module/bracket assembly in just above it using two 7mm bolts to secure it.
LVDS Connection

Locate HMI module high in glove compartment cavity.
Unplug BLUE LVDS connector.
Plug loose male LVDS connector into female EchoMaster connector.
Plug male EchoMaster LVDS connector into HMI module.
Secure loose wiring with zipties.

Re-install

Reinstall all removed panels and test system.

8” version - Press and hold the “BACK” button for three seconds to enter the Intellihaul user interface. Use the touch screen to select the desired view. Press the “BACK” button to return to the previous screen.

4” version - Press and hold the “HOME” button for three seconds to enter the Intellihaul camera view. Press the “HOME” button for one second to cycle through the views. Press the “BACK” button to return to the factory screen.
Installation Guide

Wiring Diagram

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AGREEMENT: End user agrees to use this product in compliance with the instructions and terms of use above and with all State and Federal laws. ECHOMASTER provides instructions and safety warnings with respect to this product and disclaims all liability for any use not in conformity with those instructions or other misuse of its product. If you do not agree, please discontinue use immediately and contact EchoMaster. This product is intended for off-road use and passenger use only.