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INSTALLATION MANUAL



Thank you for purchasing an EchoMaster Product

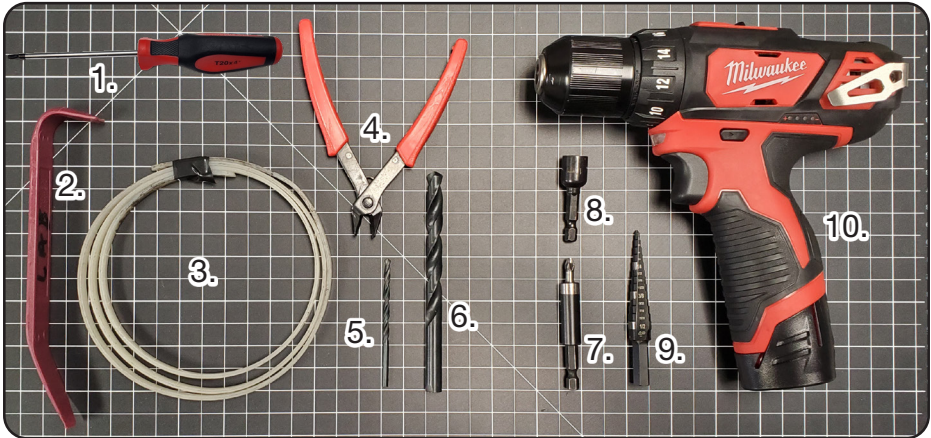
WHAT'S INCLUDED:



1. Mirror Monitor
2. HD Camera and Mounting Gasket
3. 16-pin Main Power Harness
4. 10-pin Main Power Harness
5. Camera Hardware Pack
6. Mirror Hardware Pack
7. Camera Extension Harness



TOOLS NEEDED:

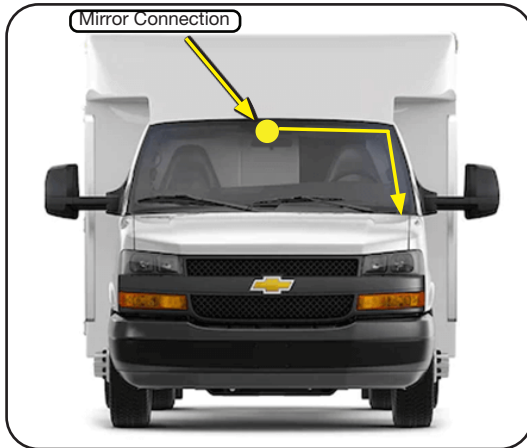
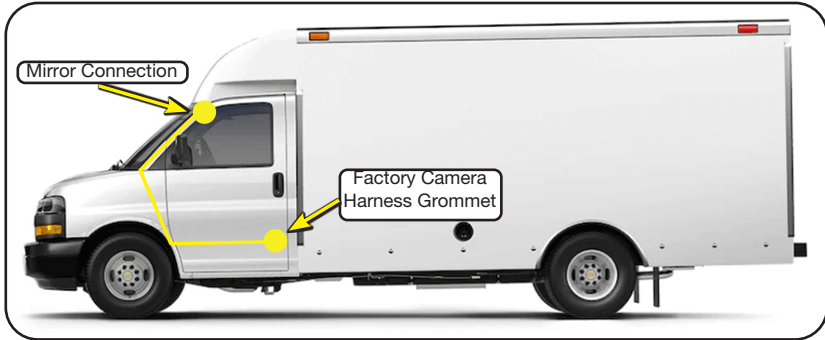


1. T20 Torx Hand Driver
2. Plastic Trim Tool
3. Wire Fishing Tool
4. Diagonal Cutters
5. 7/64" Drill Bit or Unibit
6. 3/8" Drill Bit or Unibit
7. Phillips Bit with Bit Holder
8. 10mm Driver Bit
9. Unibit or 7/64" or 3/8" Drill Bits
10. Drill

INSTALLATION GUIDE

MIRROR AND POWER HARNESS FITTING INSTRUCTIONS

Installation Overview



Illustrations are typical and may not match exact vehicle detail



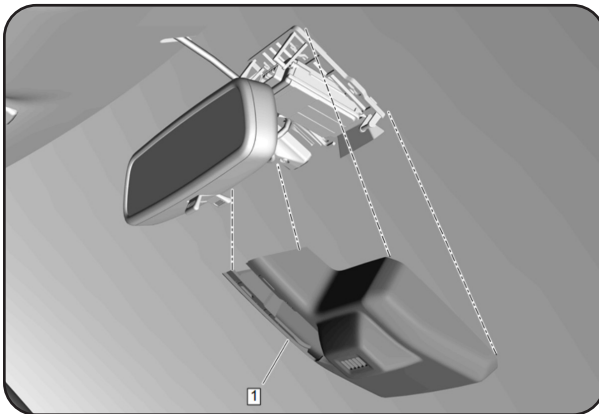
STEP 1:

Remove the factory mirror by unscrewing the T20 Torx mounting screw and slide the mirror off of the rearview mirror button, then disconnect the factory wiring harness.



STEP 2:

The vehicle will have the possibility of having 2 different harnesses. When the vehicle is equipped with the forward collision camera it will use the harness with the 10 pin connector, otherwise it will use the harness with the 16 pin connector. Determine which main power harness to connect to the factory mirror harness and set the other aside.

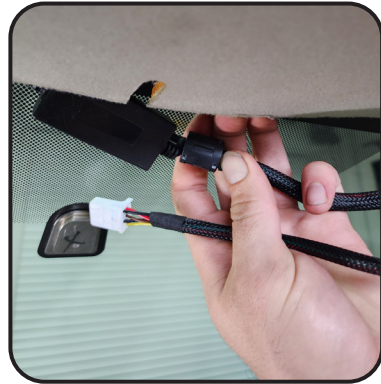


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STEP 3:

Connect the factory connector to the appropriate harness and tuck the factory mirror harness and the main power harness up into the headliner leaving enough length to connect to the back of the new mirror monitor.



STEP 4:

Connect the 12-pin white connector to the back of the mirror monitor then slide the mirror mount back onto the rearview mirror button. You may need to loosen the T20 mounting screw to get the new mirror to seat onto the rearview mirror button. Finally, secure the mount in place by screwing in the T20 Torx screw.

NOTE: Take caution not to overtighten the screw. Factory torque spec is 2Nm (18lb/in).



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STEP 5:

Remove the driver's side A-pillar cover by removing the 2 bolt covers and removing the two 10-mm bolts securing the A-pillar cover in place.



STEP 6:

Remove the A-pillar cover and proceed with routing the Mini Din connector end of the main harness over to and down the driver's side A-pillar securing along factory wiring or factory mounting points as necessary with wire ties or similar.



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STEP 7:

Locate the small grommet in the floor behind the driver's seat near the driver's side B-pillar. The factory camera harness is routed through this grommet to the underside of the vehicle. Continue routing the cable down from the driver's side A-pillar and over to the grommet, concealing the cable and securing it with wire ties where necessary.



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HD CAMERA FITTING INSTRUCTIONS

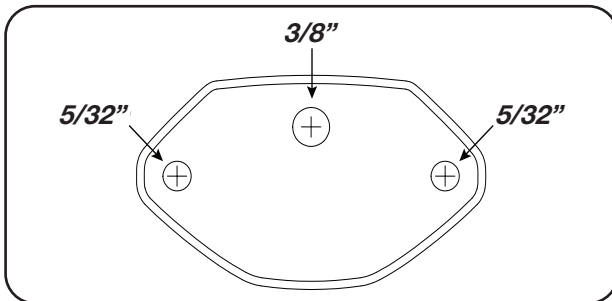
STEP 1:

Find a suitable mounting location near the 3rd brake light for the HD camera. See the image below for a recommended mounting location.



STEP 2:

Using the camera mounting gasket as a template, mark the holes to be drilled using a silver sharpie and ensure that the two outside hole marks are level with one another so that the camera is mounted straight. Using a standard drill bit or Unibit (step bit), drill the three holes using the diagram below for sizing reference.

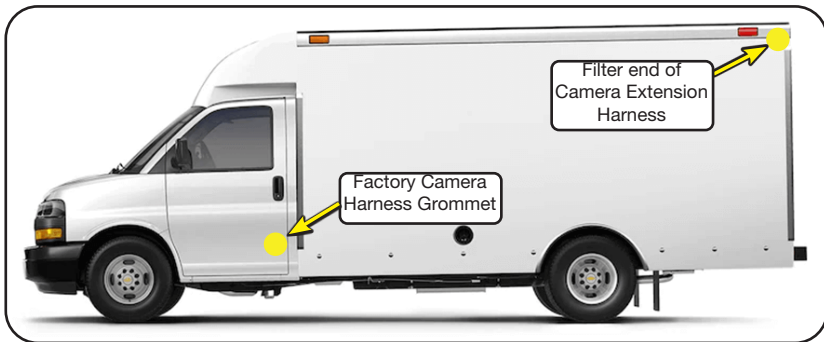


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CAMERA EXTENSION HARNESS FITTING INSTRUCTIONS

STEP 1:

Route the camera extension harness along the factory rear camera harness going from the grommet to the area behind the third brake light. Secure the camera extension harness to the factory wiring using wire ties or similar near factory mounting locations. Route the filter end of the harness to the area behind the third brake light and the opposite end back into the cabin at the grommet containing the factory reverse camera harness.



STEP 2:

Connect the corresponding ends of the harness to the camera connector on the main power harness at the grommet containing the factory reverse camera wiring and at the camera in the third brake light area. Secure the connections together by twisting the metal locking sleeve until tight.



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STEP 3:

Finally, turn the vehicles ignition to the “ON” position and ensure that the HD camera image appears on the Full View Mirror Monitor. Shift the vehicle into Reverse and make sure that the factory reverse camera appears on the screen. Shift the vehicle back to Park and turn the vehicles ignition to the “OFF” position to check that the mirror turns off with the key.



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