MORGAN ★OLSON®
HOME OF THE WALK-IN STEPVAN

Cab Fans Retrofit Kit
Morgan Olson Part #: 207092004
Installation Instructions

Cab Fan Kit contents:
Fans (2 per kit)
Dash Wiring Harness (1)
Roof Nose Wiring Harness (1)

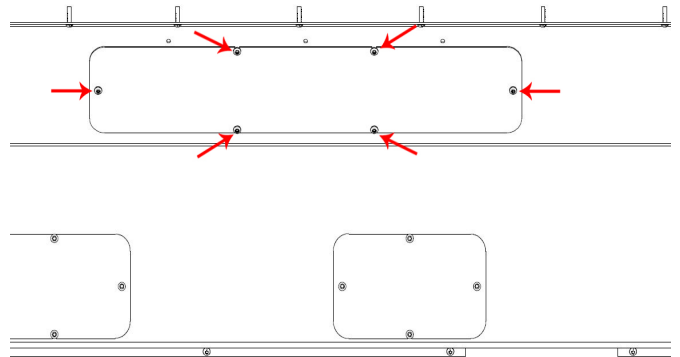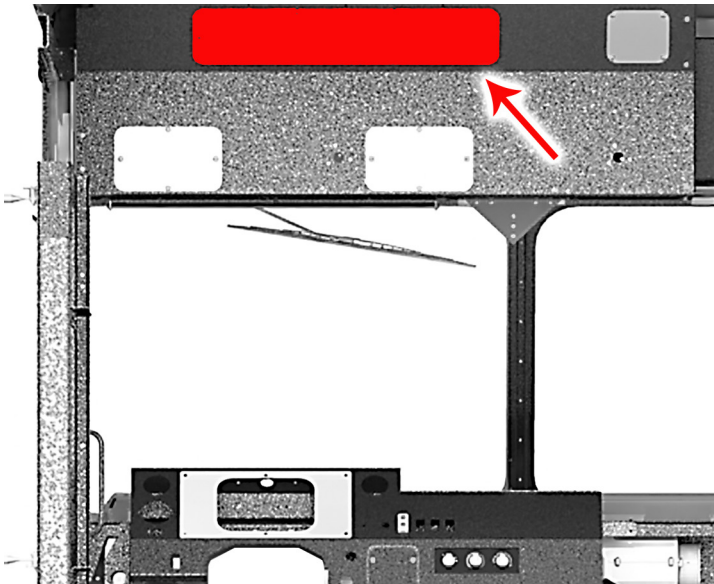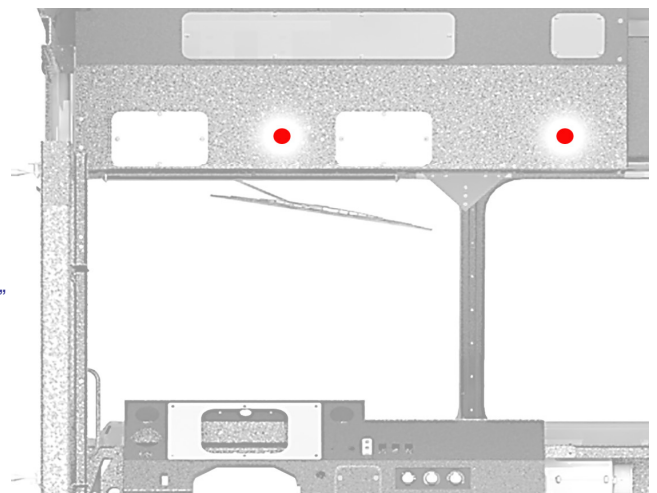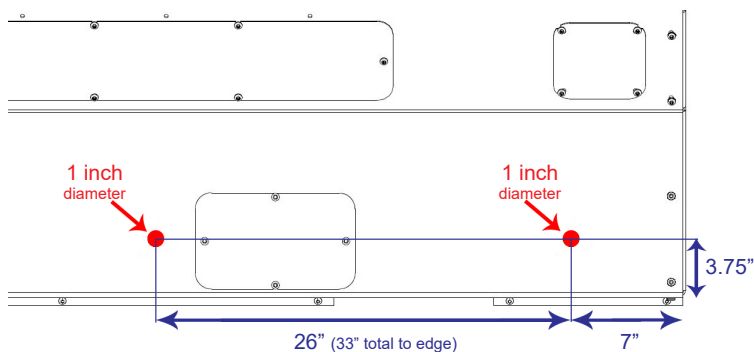|	
Dash switch (w/ cable)	Zip ties (6)
1" bolts (6)	Dash switch nut
3/8" nylock nuts (6)	Star lock washers (6)
Fan mount rubber template	

Time to Complete Installation: 1 hour

Tools needed to complete this installation:
Electric Drill	1/4" drill bit
1" diameter hole saw or drill bit	Phillips Head driver w/ #2 bit
3/8" wrench or ratchet	Wire strippers/cutters
Erasable Marker	½" hole saw or drill bit
Measuring tape	T27 Torx bit driver

Step One - Using a T27 Torx bit driver, remove the six screws holding the upper access panel in place.

Step Two - Using your electric drill with a 1" diameter drill bit, drill two 1" holes where your fans will be located.

1 inch diameter

1 inch diameter

3.75"

26" (33" total to edge)

7"

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Step Three
Center the rubber template over the 1" hole and mark the three outer hole locations.

Step Four
Using a 1/4 inch drill, drill the three mounting holes for mounting the fan.

(Repeat Steps 3 and 4 for the second fan location)

Step Five (see diagram B&C)
Insert the fan connector and wiring through the 1" hole and secure the rubber grommet to the center hole.

IMPORTANT NOTE: DO NOT USE THE RUBBER TEMPLATE USED FOR IDENTIFYING THE HOLE LOCATION. THE FAN REQUIRES METAL-ON-METAL CONTACT FOR PROPER GROUNDING.

Step Six
Mount the fans using the 1" bolts with the star lock washers and the 3/8" nylock nuts. Use a 3/8" ratchet to secure the nut, then tighten the bolt using a #2 Philips head driver. (see diagram D)
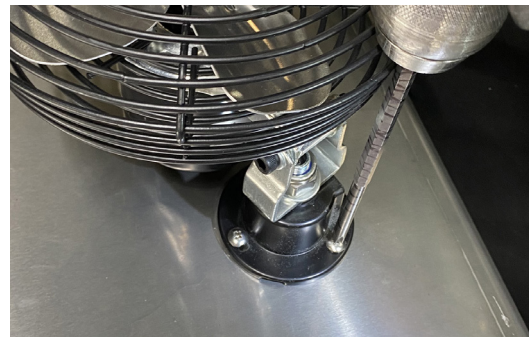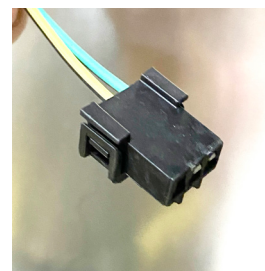
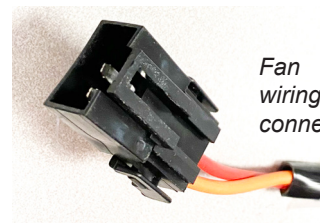**Step Seven -** Connect the roof nose wiring harness connectors to the fan wiring connectors.

Use the rubber template for hole placement ONLY.
DO NOT MOUNT UNDER FAN FAN MUST HAVE METAL ON METAL FOR PROPER GROUNDING to GROUND

DIAGRAM **B**

DIAGRAM **C**

DIAGRAM **D**

Roof nose wiring harness connector
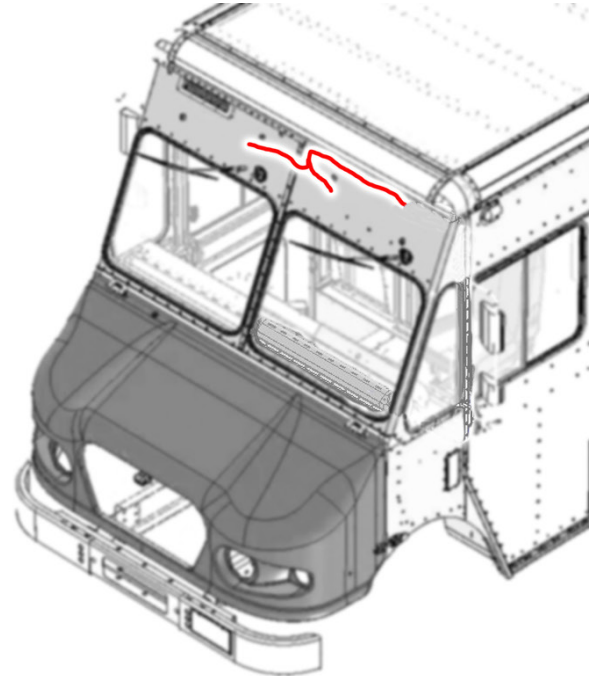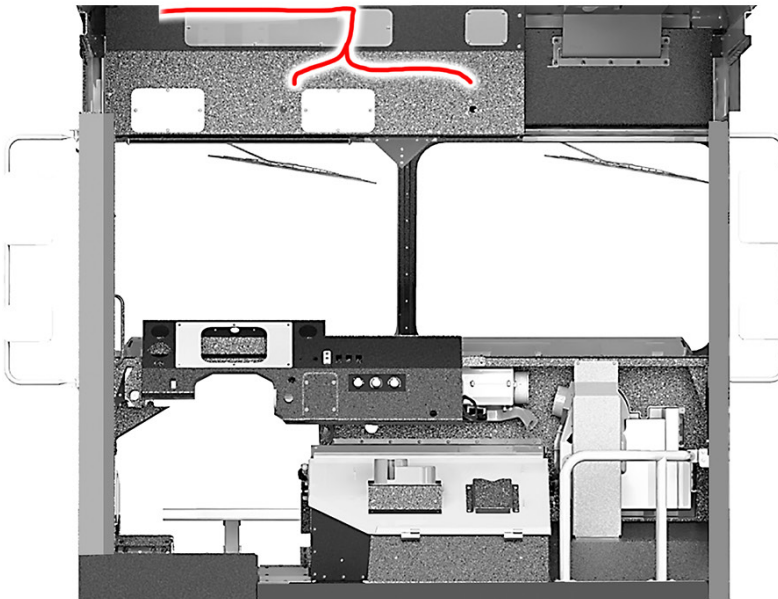
Fan wiring connector

Roof nose wiring harness

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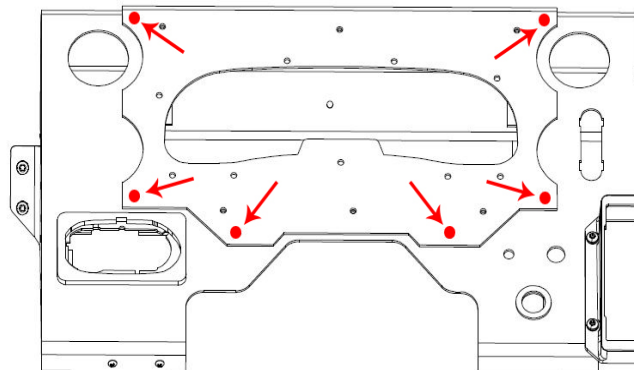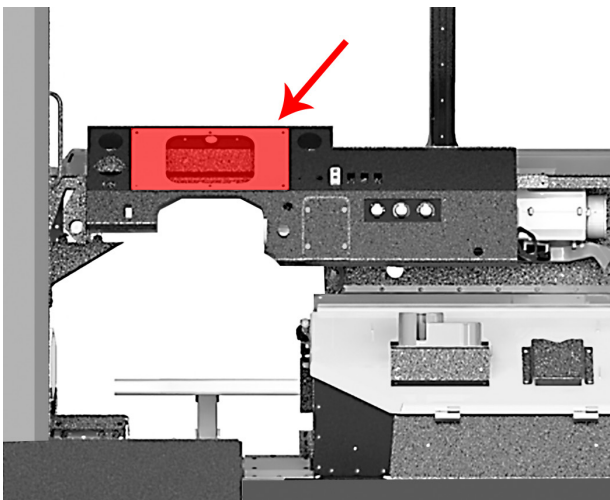**Installation Instructions**

Step Eight - Route roof nose wiring harness (seen in RED) along the other wire harnesses until the harness reaches the left corner post. Zip tie along the existing wiring harness and nip the ends of the zip ties.

*Zip tie the new harness
to the existing harness*

Step Nine - Using a #2 Philips bit driver, remove the six screws on the dash cluster, and set the dash cluster panel up on the dash.
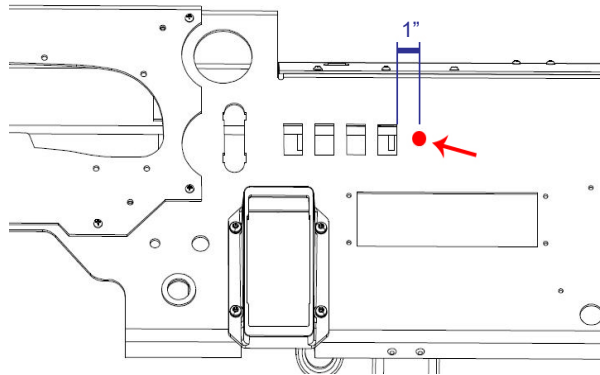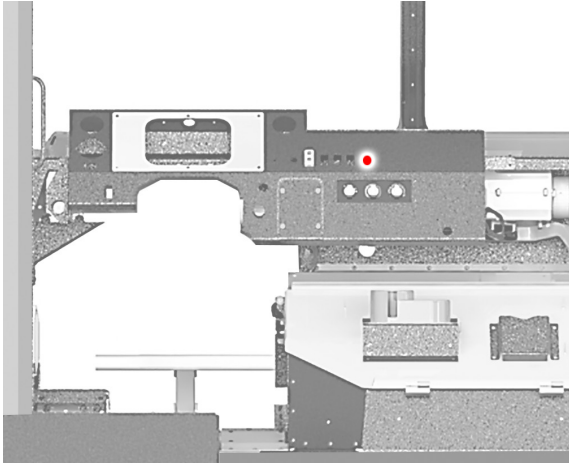
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Step Ten - Using your electric drill with a 1/2" drill bit, a 1/2" hole where your fan dash switch will be located.

Step Eleven - Through the driver cluster, insert the fan dash switch into the 1/2" hole. Screw on the dash switch nut and tighten. Connect the dash wiring harness connector to the fan dash switch connector.
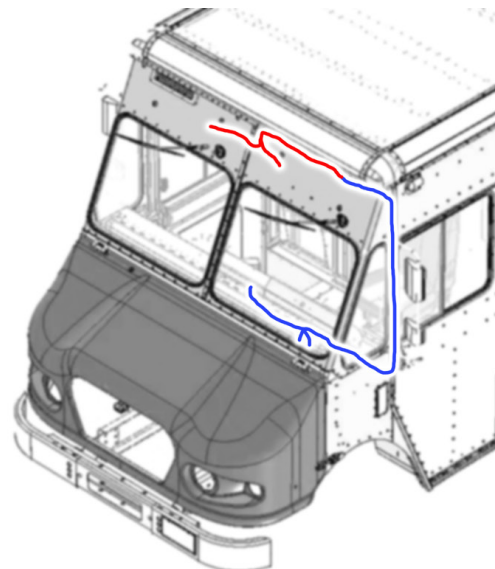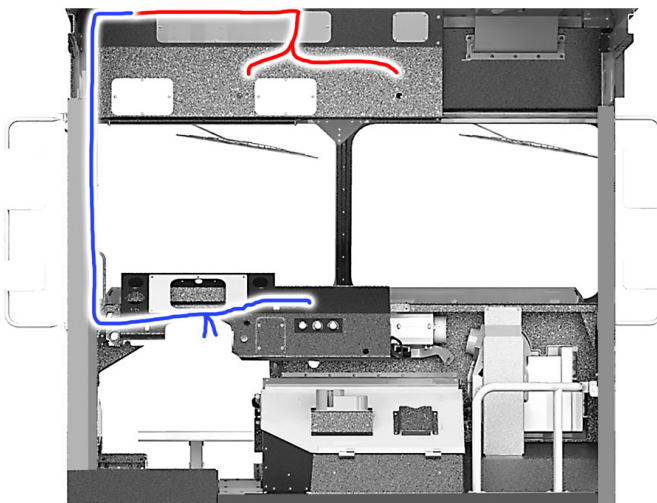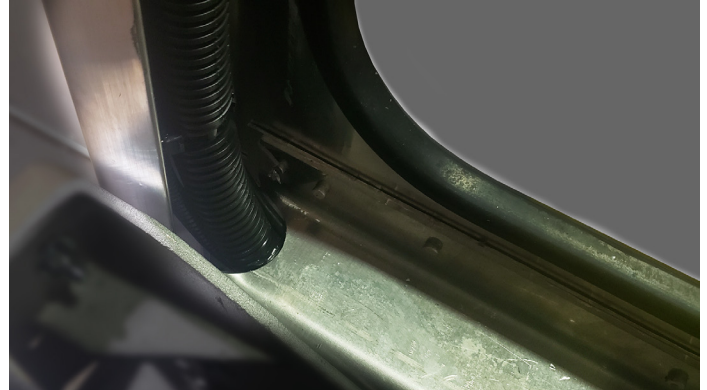
Fan dash switch

Dash switch nut

Dash wiring harness

Step Twelve - Route the dash wiring harness through the bottom of the dash cluster and through the cab stiffener. Route and zip tie the dash wiring harness along the other wire harnesses along the door post. Snip the ends of the zip ties.

IMPORTANT NOTE: Route the dash wiring harness (see here in BLUE) through the cab stiffener

Step Thirteen - Route the dash wiring harness through the gap between the door post and the wiper motor cover and connect the dash wiring harness to the roof nose harness.

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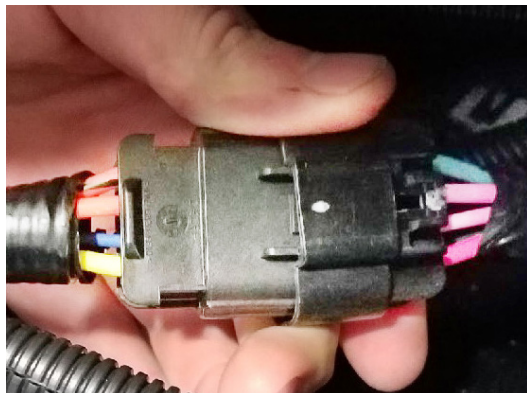## Installation Instructions

IMPORTANT NOTE: The long dash wiring harness comes equipped with
both FCCC (BLACK PLASTIC) and FORD (WHITE PLASTIC) male/female connectors.

Step Fourteen - Find the existing connection point next to the steering column to connect the new dash wiring connector.

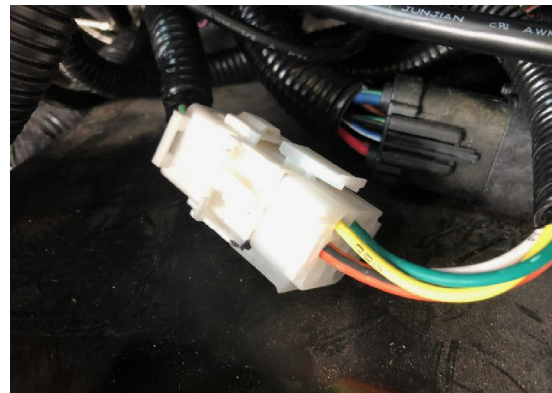| For a Freightliner chassis,	For a Ford F59 chassis,
Connect to the existing wiring harness using the **BLACK** connectors. Then, connect the white connectors (FORD) to each other on the new harness to seal the exposed connectors.	Connect to the existing wiring harness using the **WHITE** connectors. Then, connect the black connectors (FCCC) to each other on the new harness to seal the exposed connectors.
The Existing Freightliner Chassis Wiring Harness Connector **(BLACK)**	The Existing F59 Chassis Wiring Harness Connector **(WHITE)**

INSTALLATION COMPLETED.

Test the new fan system before replacing the panels. Your new fans should now work using the switch on the dash. Reinstall the cover panel and dash. Adjust the fans to the preferred angle. If you need further assistance, please contact Morgan Olson customer service. Thank you.