

Installation Instructions

T-Connector



Ford Edge



Lincoln MKX



Mercury Mariner



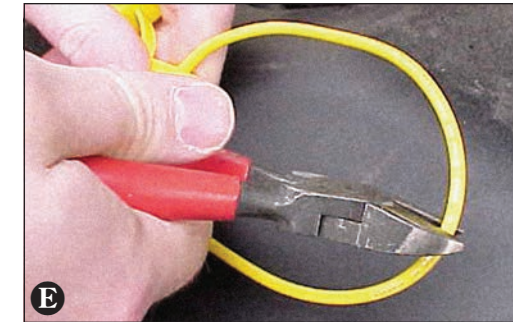
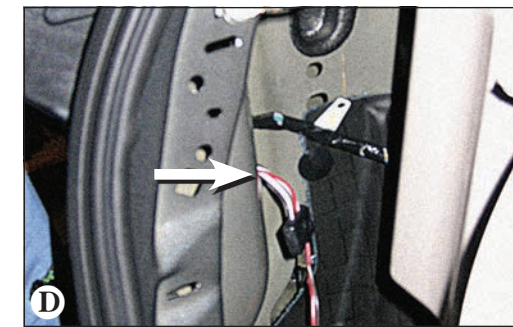
Mazda Tribute



Ford Escape



Ford Econoline



FORD EDGE / LINCOLN MKX ONLY

TOOLS REQUIRED:

Trim Panel Remover, 10mm Socket & Ratchet or 10mm Wrench, 20mm Socket & Ratchet or 20mm Wrench, Drill (3/32" Drill Bit), 1/4" socket, Wire Crimpers, Wire Cutters, Philips Head Screwdriver, Test-probe

- Open the rear tailgate to access the bolts that hold the taillights in place. Remove two bolts and carefully pry the taillight housings rearward away from the vehicle, being careful not to break the alignment tabs.
- On both the driver's and passenger's side, pull the vehicle taillight wire harness and unseat the grommet **A**.
- Inside the vehicle's rear cargo area, temporarily remove all floor coverings, cargo trays and plastic threshold cover. Partially remove side trim panels, being careful not to damage clips or screws **B**.
- Behind the side trim panel on the Driver's side, route the T-Connector end with the **yellow/brown** wires out of the opening exposed in step 2 **A/D**.
- Beginning on the driver's side, separate the vehicle's wiring connectors, being careful not to break the locking tabs. Check to see that the mating surfaces of the vehicle wiring connectors match the T-Connector ends. Ensure that the mating surfaces are free of dirt. Plug the T-Connector harness containing the **yellow/brown** wires in between the vehicle's mating connectors. Ensure that the connectors are fully inserted with locking tabs in place.
- Route the T-Connector containing the **green** wire below the threshold cover to the passenger's side taillight housing.

- Repeat step 5 for the passenger's side using the T-Connector containing the **green** wire.
- On the driver's side, in rear wheel well, partially remove wheel well and mud guard **C**.
- From the driver's side taillight pocket, route one end of the **black** wire thru the opening exposed in step 2 to the T-Connector's black box. Connect to **red** wire on T-Connector's black box with the supplied yellow butt connector. Route the other end down thru the opening in the taillight pocket, behind the bumper **A**.
- From behind wheel well exposed in step 8, locate the **black** wire. Route the **black** wire along the exterior frame or follow the existing wiring along the thresholds into the engine compartment up to the battery avoiding areas that may pinch or break the wire **C**.
 - WARNING**
Route the wire being careful to avoid any hot pipes, heat shields, the fuel tank or any other points that may pinch or break the wire.
- Disconnect the vehicle's Negative (-) battery cable. If not removed, remove the fuse from the yellow fuse holder (provided). After cutting the fuse holder wire, attach the ring terminal and secure to the vehicle's Positive (+) battery cable **B/E**. Connect the other end of the fuse holder to the **black** 12 ga. wire, using the yellow butt connector (provided).
- Locate a suitable grounding point near the connector such as an existing ground stud or drill a 3/32" hole and secure the **white** wire using the eyelet and screw provided. (Do not drill into vehicle floor or bed.) Clean dirt and rustproofing from area **D**.
 - CAUTION**
Verify what is behind any surface prior to drilling to avoid damage to the vehicle and/or personal injury. Do not drill into any exposed surfaces.

- Reconnect the vehicle's Negative (-) battery cable and install the 15 amp fuse into the fuse holder from step 11.
 - WARNING**
All connections must be complete for the T-Connector to function properly. For initial test, reset vehicle electrical system by temporarily removing the key from the ignition. Test and verify installation with a test light or trailer once installed.
- On both the driver's and passenger's side, slit the grommet to allow for T-Connector's wiring. Reseat grommet.
- Secure the remainder of the T-connector harness with the cable ties provided, to prevent damage or rattling and being careful to avoid any areas that would cut or pinch the wire. In the driver's side storage area, clean a flat area using a mixture of rubbing alcohol and water **D**.
- Mount the T-Connector black box using double-sided tape provided.
- Reinstall wheel wells, mud guards, taillights and other items removed during installation, being careful not to pinch or cut the wires.
 - NOTE**
Store 4-Flat connector in rear cargo area when not in use.
 - WARNING**
Overloading circuit can cause fires. DO NOT exceed lower of towing manufacturer rating or:
 - Max. stop/turn light: 2 per side (4.2 amps)
 - Max. tail lights: (7.5 amps)
 Read vehicle's owners manual & instruction sheet for additional information.

ENGLISH

MERCURY MARINER, FORD ESCAPE, MAZDA TRIBUTE, FORD ECONOLINE VAN ONLY

TOOLS REQUIRED:

Drill (3/32" Drill Bit), 1/4" socket, Wire Crimpers, Wire Cutters, Philips Head Screwdriver, Test-probe

- Open the rear tailgate to access the screws that hold the taillights in place. Remove the screws and carefully pry the taillight housings rearward away from the vehicle, being careful not to break the alignment tabs **C**.
- Disconnect the vehicle wiring harness from both taillight sockets **D**. Plug the T-Connector end with the **yellow/brown** wires in-between the mating plugs on the driver's side taillight socket and vehicle wiring harness. All connector surfaces should be clean and free of dirt. Ensure that the connectors are fully inserted with locking tabs in place.
- On the driver's side, route the T-Connector end with the **green** wire and the wire with the 4-Flat connector down through the opening between the vehicle bumper and body **D**. Route the T-Connector end with **green** wire to the passenger's side and route the 4-Flat underneath the bumper. Route T-Connector end with **green** wire up through the opening on the passenger side, being careful to avoid any hot pipes, heat shields, the fuel tank or any other points that may pinch or brake the wire. Repeat step 2 for the passenger's side using the T-Connector containing the **green** wire.
- Locate a suitable grounding point near the connector such as the vehicle's frame or cross member. (Do not drill into vehicle floor or bed. Do not drill into any exposed surfaces.) Clean dirt and rustproofing from area. Drill a 3/32" hole and secure **white** wire using eyelet and screw provided.
- Verify what is behind any surface prior to drilling to avoid damage to the vehicle and/or personal injury. Do not drill into any exposed surfaces.
 - CAUTION**
Verify what is behind any surface prior to drilling to avoid damage to the vehicle and/or personal injury. Do not drill into any exposed surfaces.
- Beginning from the front of the vehicle, route the **black** 12 ga. wire rearward along the frame rail.
 - WARNING**
Read and follow all warnings and cautions printed on the tow vehicle's battery.
- Route the **black** 12 ga. wire to the rear driver's side. Locate the opening between the vehicle rear bumper and body allowing entry to the rear driver's side taillight area. Route the wire up through this hole and attach the **black** 12 ga. wire to the **red** wire from the T-Connector black box with the supplied yellow butt connector.

- Reconnect the vehicle's Negative (-) battery cable and install the 15 amp fuse into the fuse holder from step 5.
 - WARNING**
All connections must be complete for the T-Connector to function properly. For initial test, reset vehicle electrical system by temporarily removing the key from the ignition. Test and verify installation with a test light or trailer once installed.
- Mount the T-Connector black box using double-sided tape provided.
 - WARNING**
Make sure module is mounted so that the epoxy side of the module is pointed towards the ground to prevent any water buildup.
- Reinstall the taillight housing assemblies, positioning the vehicle wiring harness between the housing and the vehicle body. Secure the remainder of the T-Connector harness under the bumper with cable ties provided, being careful to avoid any areas that would cut or pinch the wire.
 - NOTE**
Mount 4-Flat in a suitable location under the vehicle. Bracket not included.
 - WARNING**
Overloading circuit can cause fires. DO NOT exceed lower of towing manufacturer rating or:
 - Max. stop/turn light: 2 per side (4.2 amps)
 - Max. tail lights: (7.5 amps)
 Read vehicle's owners manual & instruction sheet for additional information.