

1981-86 Ford Bronco Optional Rear Defroster Harness

NOTE: All 1981-86 Broncos used an electrically operated power rear tailgate window. The factory rear window defroster was an extra-cost option on any of these vehicles. For that reason, this kit **MUST** be used with our optional 510486 Rear Power Window Harness in conjunction with our 510724, 1980-86 Ford F100-350 and 1980-86 Ford Bronco Classic Update kit. In this kit, you will find all the harness components necessary to make the connections to your dash mounted switch and your factory rear power feed and ground leads on the defroster grid of your rear tailgate window. The dash mounted switch assembly is located in a module at the bottom of the dash. This new AAW kit consists of the main harness that connects to the dash mounted switch and to the rear feed and ground leads attached to your rear tailgate glass. This kit **DOES NOT** include the actual tailgate mounted feed and ground wires attached to the glass, nor does it include the dash mounted switch itself. You must re-use your originals as they are not commercially available. Please use the directions on this page as well as the notes and drawings on page 2 of this instruction set to install your new AAW optional rear window defroster harness.

Directions:

1. Plug the fully loaded 6-position connector into the dash/main harness (510725) optional accessory connector plug (See photo 14 on page 9 and detail info on page 10. You will need to remove the existing mating plug from the dash accessory connector that was plugged in at the factory prior to installing this new connector). Next, plug the 6-position connector from the power tailgate window harness (510486) containing the two pink wires into the fully loaded pigtail from this kit (see page 2). Follow the directions for adding any additional wires to the optional 6-position connector from page 1 of the 510486 instructions. The terminals to make any extra plug-in connections are located in the loose piece parts kit of the 510725 dash kit.
2. Route the "Rear Defroster Harness A" up over top of the dash cluster, around past the radio and down through the clips "L as shown in photo number 12, page 8 of the main instruction set (510724, 92972210) to the bottom of the dash assembly. Plug the 4-position red connector (make sure that the indexing tab has been removed, see page 2 of these instructions) from this harness onto your existing factory original dash mounted rear defroster switch located in the module at the bottom of the dash assembly.
3. Located at the same branch as the 4-position red connector is a black wire with a ring terminal. You must attach the ring terminal on the end of that wire to the bottom of the dash assembly to a good known ground for the system to operate properly.
4. Route the long brown wire out through the LH firewall grommet along with the LH engine bay and rear body wiring and down along the frame to the rear of the truck into the LH tail lamp area. Cut the brown wire to length, apply terminal D and plug into connector C as shown on page 2 of this instruction set.
5. Cut the connector off of the Ford brown with lt.blue stripe wire, install terminal F and plug into connector E as shown on page 2 of this instruction set. Plug connector E into connector C to complete the feed wire to the grid.
6. Attach the ring terminal on the black "Ground Jumper Wire B" to the frame to ground it and route the other end up to the RH tail lamp area. Cut the black wire to length, apply terminal D and plug into connector C as shown on page 2 of this instruction set.
7. Cut the connector off of the Ford black wire, install terminal F and plug into connector E as shown on page 2 of this instruction set. Plug connector E into connector C to complete the ground wire to the grid.

AAW wire color

Brown
Black

Function

Rear Defroster Grid 12v Power
Rear Defroster Grid Ground

Ford wire color

Brown/Lt. Blue Stripe
Black

The kit consists of the following:

1. '81-'86 Bronco Rear Defroster Harness A.
2. '81-'86 Bronco Rear Defroster Ground Jumper Wire B.
3. (2) 1-way male connector C.
4. (3) male terminals D.
5. (2) 1-way female connector E.
6. (3) female terminals F.



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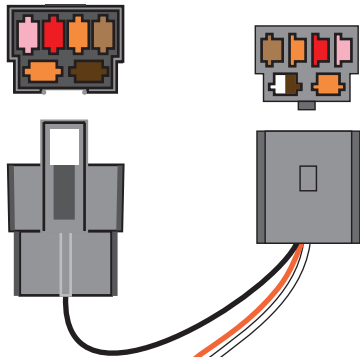
Classic Update Series
1981-86 Ford Bronco

Rear Defroster Harness

510485

92972264 instruction rev 0.0 5/13/2019

NOTE: All Broncos equipped with a rear defroster also had a mandatory power tailgate window. Plug your Rear PW Window harness, 510486, into this connector, and follow those directions for any additional connections.



Plug this connector into the accessory connector shown on page 9, photograph 14 (and details on page 10) of the 510724 main instruction set.

Attach this black wire to the bottom of the dash to ground.

Plug this main connector onto your stock dash mounted 1981-86 rear rear defroster switch.

Main Switch Connector

ITEM A
1981-86 Bronco Rear Defroster Harness

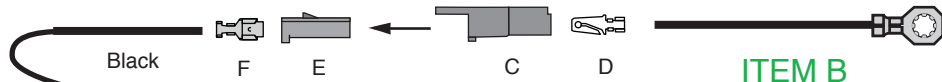
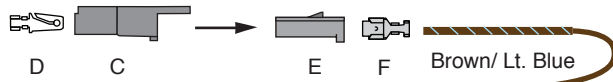
NOTE: Make sure that this indexing tab has been removed!

to original Ford rear window defroster "+" wire

original Ford rear window defroster "+" wire

original Ford rear window defroster "-" wire

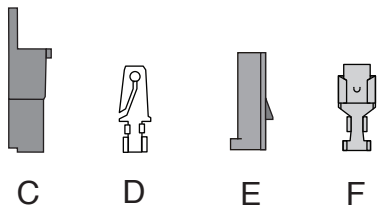
to original Ford rear window defroster "-" wire



ITEM B
Ground Jumper Wire



Rear Tailgate Glass



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