

1980-83 Ford F-Series and Bronco Optional AC Overlay Harness

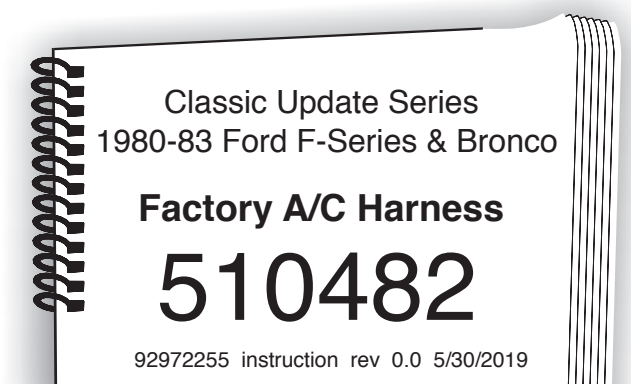
NOTE: All 1980-83 F Series trucks and Broncos used the same connections at the heater/AC control head. Directions and a photo of those connections can be found on page 2 of this instruction set. Also found on page 2 are any necessary harnesses, harness extensions, connectors and terminals needed to complete your installation. This optional kit must be used in conjunction with our 510724, 1980-86 Ford F100-350 and 1980-86 Ford Bronco Classic Update kit. It is not intended to be used as a substitute for the original Ford AC harness. The AC mode switch assembly is located on the back of the heater/AC control head in the center of the dash. The AC Dash Harness Extension is also the same between all 4 model years. The Thermostat Switch and AC Clutch Feed Jumper connections are different between the years ('80-'81 are the same, '82-'83 are the same), so please be sure to pick the proper directions for your applicaton (page 3). Please use the detailed directions on this page as well as the notes and drawings on pages 2 and 3 of this instruction set to install your new AAW AC overlay harness.

Directions:

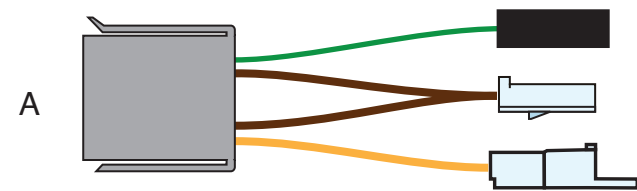
1. **All 1980 - 83 applications:** Plug the 4-position 1980 - 83 AC Mode Switch Jumper "A" onto the AC mode switch assembly located on the back of the heater/AC control head. The double brown, orange and green wires will plug onto your main dash harness, 510725. The dash harness has white mating connectors on the two brown wires that will plug into the orange and double brown leads that are part of jumper A. Located at the same location on the dash harness is a green wire with a male bullet terminal with a rubber sleeve that will plug into the green wire with the female bullet terminal with a rubber sleeve on it that is part of jumper A.
2. **All 1980 - 83 applications:** Item B, the AC Dash Harness Extension plugs onto the main dash harness, 510725, behind the glove box area down near the floor. The dash side lead has the mating connector with dark green and black wires in it. After plugging extension B onto the dash harness, route it out through the RH engine bay wiring grommet into the engine bay. The single black wire on "Item B" plugs onto the blower motor resistor.
3. **1980 - 81 applications:** Do not plug the loose black wire with the female terminal into the beige connector with the dark green wire (Item C). Plug the beige connector with the dark green wire (Item C) into "Item B, the AC Dash Harness Extension". Route the dark green wire in "Item C" over to the AC thermostat area, cut it to length, crimp on terminal "G" and plug into connector "F" as shown on page 3. Take the cut-off portion of the dark green wire, crimp on terminal "G" and plug into open cavity of connector "F". Route the loose end of the dark green wire over to the compressor area, cut it to length, double it with the cut-off portion in terminal "J", and plug it into connector "H" as shown on page 3. Route the cut off portion and connect it to the compressor lead using terminals and sleeves P, Q, R and S as shown on page 3. Take the loose black wire that is part of Item C, plug that wire into connector K, then route the wire to the compressor mounting brackets, cut it to length, crimp on terminal "T" and ground the wire to the compressor mounting brackets. Plug Item E into the white male connector "H" and black female connector "K". Plug "Item D", the AC Thermostat Switch Jumper into connector "F" and the thermostat switch to complete your installation.
4. **1982 - 83 applications:** Plug the loose black wire with the female terminal into the beige connector with the dark green wire (Item C), then plug the beige connector into "Item B, the AC Dash Harness Extension". Route the dark green wire in "Item C" over to the AC thermostat area, cut it to length, crimp on terminal "G" and plug into connector "F" as shown on page 3. Take the cut-off portion of the dark green wire, crimp on terminal "G" and plug into open cavity of connector "F". Route the loose end of the dark green wire over to the compressor area, cut it to length, double it with the cut-off portion in terminal "J", and plug it into connector "H" as shown on page 3. Route the cut-off portion to the compressor, cut it to length, crimp on terminal N and plug it into connector M as shown on page 3. Route the black wire over to the compressor area, cut it to length, double it with the cut-off portion in terminal "L", and plug it into connector K as shown on page 3. Plug Item E into the white male connector "H" and black female connector "K". Plug "Item D", the AC Thermostat Switch Jumper into connector "F" and the thermostat switch to complete your installation.



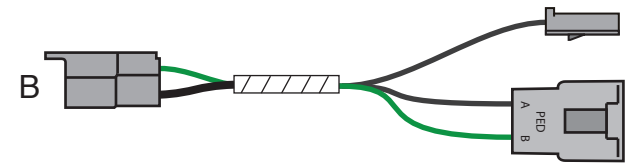
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The kit consists of the following:



1984-86 AC MODE SWITCH JUMPER



A/C DASH HARNESS EXTENSION



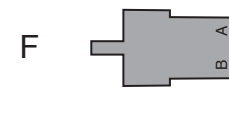
A/C THERMOSTAT SWITCH & A/C CLUTCH FEED JUMPER



A/C THERMOSTAT SWITCH JUMPER



AC CLUTCH DIODE ASSEMBLY



2-cavity female Pack-con connector (1 pc)



Single female Pack-con terminal (3 pcs).



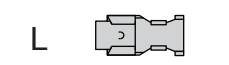
1-cavity 56 series male connector (1 pc)



Double 56 series male terminal (2 pcs)



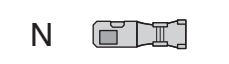
1-cavity 56 series female connector (1 pc)



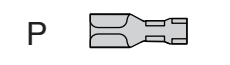
Double 56 series female terminal (2 pcs)



Ford AC clutch switch connector (1 pc)



Ford small box female terminal (3 pcs)



Female pin terminal (2 pcs)



Large rubber sleeve (2 pcs)



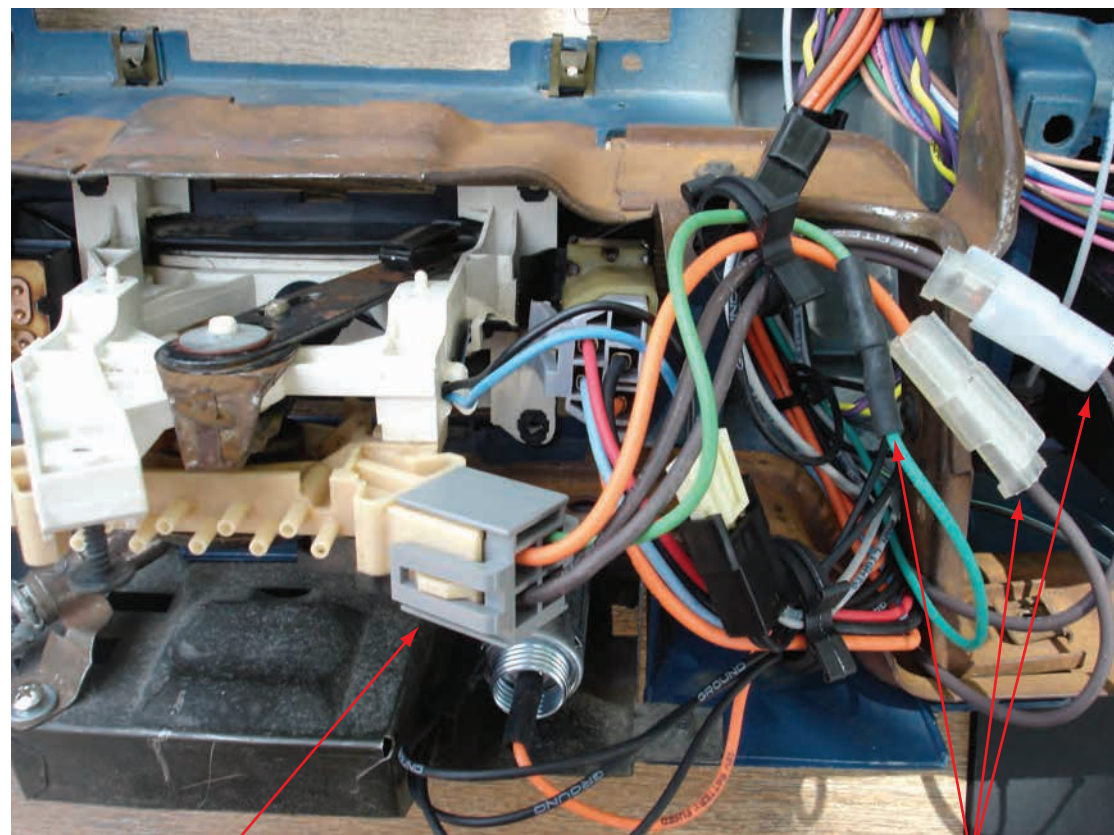
Male bullet terminal (2 pcs)



Small rubber sleeve (2 pcs)



serrated ring terminal (2 pcs)



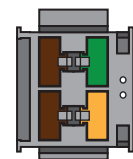
Main connector plugged onto the AC mode switch

The above photo depicts how the "ITEM A, AC Mode Switch Jumper" will look plugged onto your dash mounted mode switch and into the new AAW dash harness.

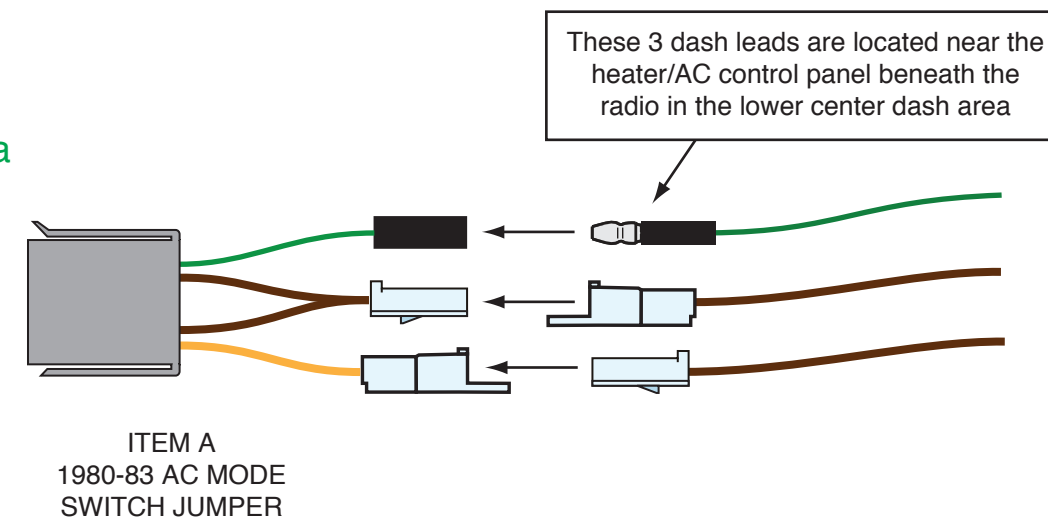
Dash leads from the main AAW dash harness

Inside of truck at the heater/AC control area

PLUG ONTO AC MODE SWITCH AT THE HEATER/AC CONTROL ON THE DASH



All 1980-83 Applications



ITEM A
1980-83 AC MODE SWITCH JUMPER



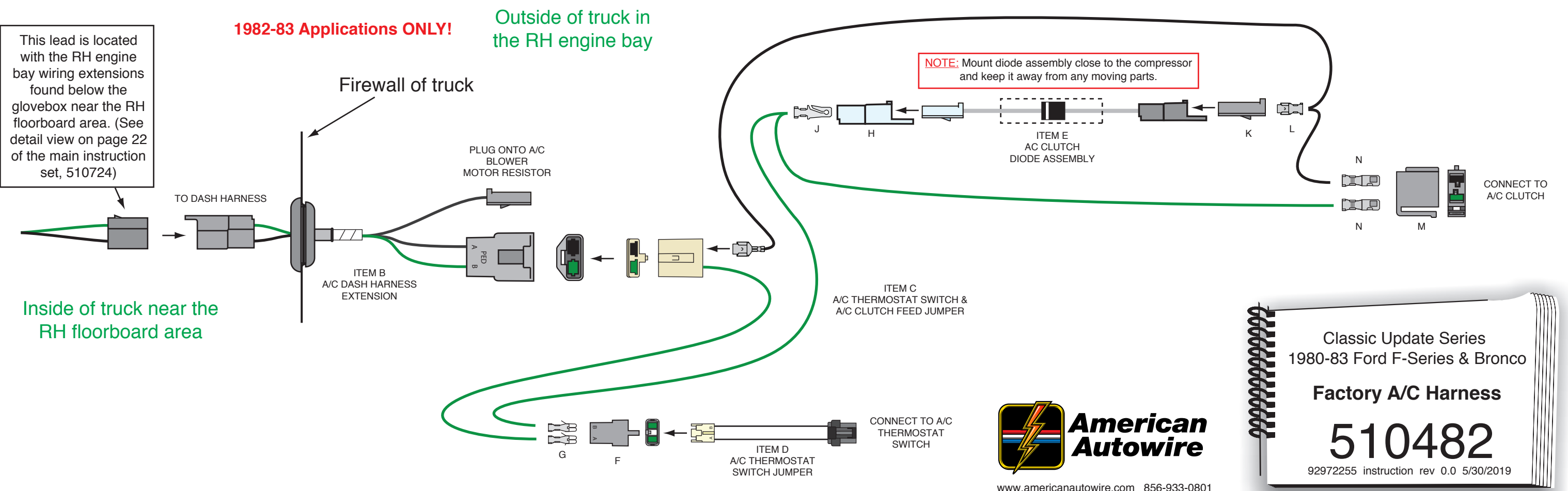
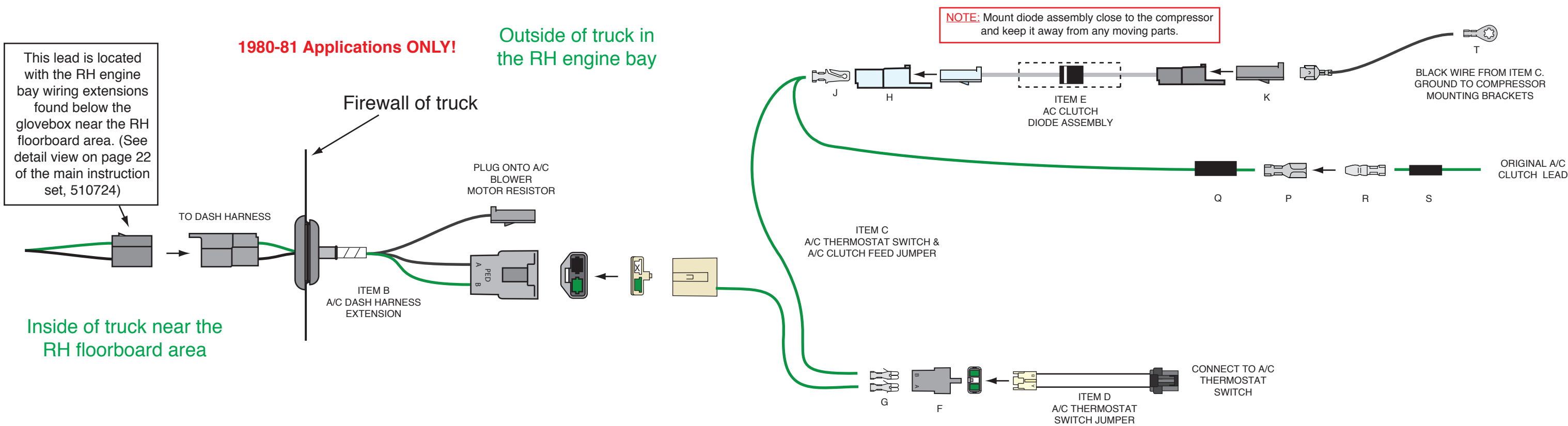
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Classic Update Series
1980-83 Ford F-Series & Bronco

Factory A/C Harness

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