

Classic Update Series

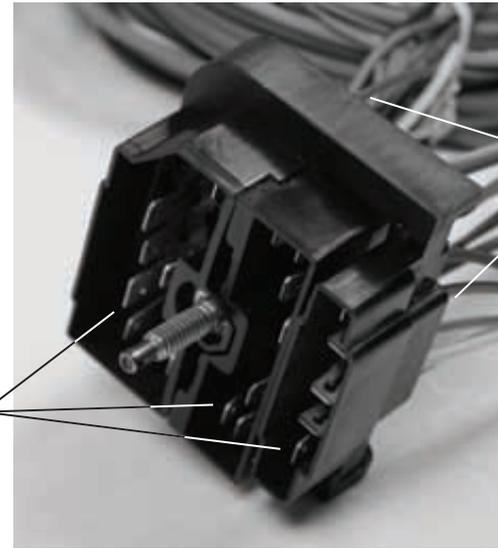
engine harness
20-way connector



front light
10-way connector

front light
7-way connector

assembly, ready to bolt
onto firewall bulkhead



apply die-electric
grease to the
terminals, after
all wires are installed

apply silicone sealant,
to back side of connectors,
after installing terminals

NOTE: Before sliding and snapping the bulkhead connectors together, be sure to route and install the appropriate wires in the bulkhead connectors. The bulkhead 10-way connector from this front light kit (bag L), slides into the bulkhead 20-way connector, from the engine kit (bag J). The bulkhead 7-way connector, from this kit (bag L), then slides in behind the front light 10-way connector and snaps in place as shown. After all wires are installed, snap the three connectors together as shown above. Apply silicone sealant to the back side of the connectors and die-electric grease to the front side of the connectors (terminals). This will provide a moisture seal. Now bolt the assembly into the Dash Harness Firewall mating connector, using the captured bolt.

p/n 500479
Universal Relay Kit
(optional, not included)



p/n 500093 Universal
Waterproof Relay Kit
(optional, not included)



**American
Autowire**

www.americanautowire.com 856-933-0801

bag
L

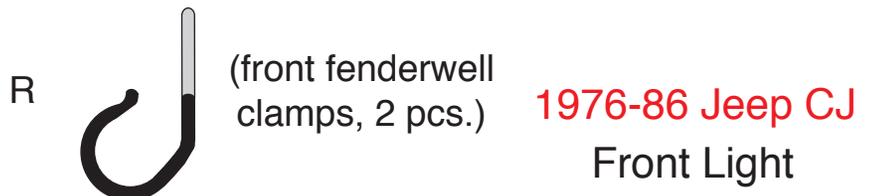
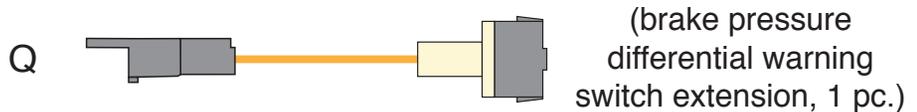
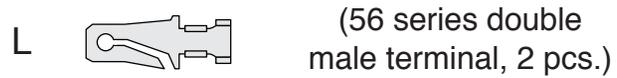
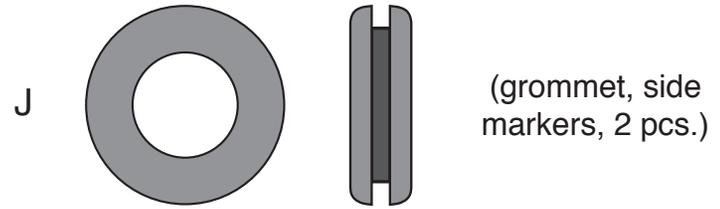
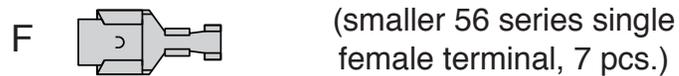
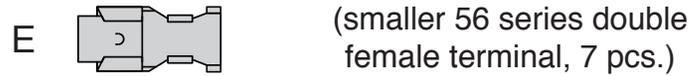
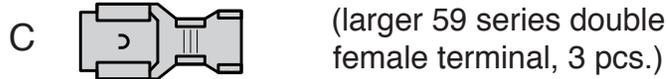
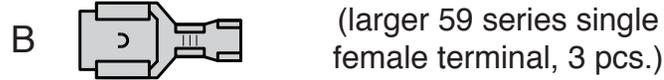
1976-86
Jeep CJ

FRONT LIGHT KIT

510576

92970869 Rev 1.0 11/20/2014

Classic Update Series



1976-86 Jeep CJ
Front Light

For the 10-way Bulkhead Connector (sheet 5)

Wire	Color/Printing	Description
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1. Brake Pressure Differential Warning Switch Extension Item "Q"

Tan	no printing	Obtain item "Q" (see sheet 2) which is the "Brake Pressure Differential Warning Switch Extension" harness (with the tan circuit 33A wire) and connect to the Brake Warning Switch which is found on the Brake Proportioning Valve. This pigtail is designed to connect to a newer single post style Brake Warning Switch. If you have an older style twin post Brake Warning Switch you will need the original Jeep wire harness pigtail. Cut the two black wires from the pigtail about 24 inches from the twin post Brake Warning Switch connector, double them together, and crimp on terminal "L" and insert into connector "N".
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2. Brake Pressure Differential Warning Switch Connection

Tan	BRAKE LIGHT SWITCH	Obtain the tan "BRAKE LIGHT SWITCH" wire (circuit 33) which is already plugged into the Bulkhead connector (see sheet 5). Route the loose end to the "Brake Pressure Differential Warning Switch Extension" harness, item "Q", or to connector "N" which you added in item 1 above. Cut to length, crimp on terminal "F" and insert into connector "M". You can now make the connection.
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3. Front Side Marker Extension Item "G"

Brown	no printing	There are two "Front Side Marker Extension" harnesses, see item "G" on sheet 2. The harness for the left side of the vehicle has a brown wire (circuit 9L) and a light blue wire (circuit 14L). The harness for the right side of the vehicle also has a brown wire (circuit 9R) and a dark blue wire (circuit 15R), see sheet 5. For each side of the vehicle obtain both items "G" and place the Front Side Marker Extension harness light socket near the Side Marker Assembly. Seat grommet "J" in the hole in the inner fender where the Front Side Marker Wiring had originally passed through. Route the Side Marker wiring from item "G" through grommet "J" to the left and right Park/Turn Signal Assembly pigtails (see sheet 5) and cut to length. Now go to step 4. (Note: 2 clamps R have been provided for you to restrain your side marker wiring up under the front fenders. Remove the upper bolt that attaches the fender to the front grill shell, place the bolt through the hole in the clamp, then re-attach the bolt/clamp back through the upper hole in the fender and into the grille shell. Route your side marker wiring through the clamp, and squeeze the clamp down to trap the wiring.) Note: you will eventually be making a connection to the original factory left and right Park/Turn Signal Light Assembly pigtails.
Light Blue	no printing	
Dark Blue	no printing	

4. Left Park/Turn Signal Light Connections

Brown	PARK LIGHTS	Obtain the brown "PARK LIGHTS" WIRE (circuit 9) which is already plugged into the Bulkhead connector (see sheet 5). Route the loose end of the wire to the left Park/Turn Signal Light pigtail, and cut to length. Double this wire with the brown wire (circuit 9L) from item "G", crimp on terminal "E" and insert into connector "D" as shown on sheet 5.
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Light Blue	LEFT FRONT TURN	Obtain the light blue "LEFT FRONT TURN" wire (circuit 14) which is already plugged into the Bulkhead connector (see sheet 5). Route the loose end of the wire to the left Park/Turn Signal Light pigtail, and cut to length. Double this wire with the light blue wire (circuit 14L) from item "G", crimp on terminal "E" and insert into connector "D" as shown on sheet 5. You can now connect "D" to the original left Park/Turn Signal Light pigtail.
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5. Right Park/Turn Signal Light Connections

Brown	PARK LIGHTS	Obtain the brown "PARK LIGHTS" wire (circuit 9A) which is already plugged into the Bulkhead connector (see sheet 5). Route the loose end of the wire to the right Park/Turn Signal Light pigtail, and cut to length. Double this wire with the brown wire (circuit 9R) from item "G", crimp on terminal "E" and insert into connector "D" as shown on sheet 5.
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Dark Blue	RIGHT FRONT TURN	Obtain the dark blue "RIGHT FRONT TURN" wire (circuit 15) which is already plugged into the Bulkhead connector (see sheet 5). Route the loose end of the wire to the right Park/Turn Signal Light pigtail, and cut to length. Double this wire with the dark blue wire (circuit 15R) from item "G", crimp on terminal "E" and insert into connector "D" as shown on sheet 5. You can now connect "D" to the original right Park/Turn Signal Light pigtail.
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6. Front Headlight Connections

Low Beam

Tan	HEADLIGHT-LOW BEAM	Obtain the tan "HEADLIGHT-LOW BEAM" wire (circuit 12) which is already plugged into the Bulkhead connector (see sheet 5). Route the loose end of the wire to the left Headlamp, cut to length, double with the wire that was just cut, crimp on the large terminal "C", and insert into item "A" (see sheet 5), which is the "Front Headlamp Extension" harness (see sheet 2). Route the loose tan wire to the right Headlamp, cut to length, crimp on the large terminal "B" and insert into the other "Front Headlamp Extension" harness, item "A"
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1976-86 Jeep CJ
Front Light

<u>Wire</u>	<u>Color/Printing</u>	<u>Description</u>
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High Beam

Light Green HEADLIGHT-HI BEAM Obtain the light green "HEADLIGHT-HI BEAM" wire (circuit 11) which is already plugged into the Bulkhead connector (see sheet 5). Route the loose end of the wire to the left Headlamp, cut to length, double with the wire that was just cut, crimp on the large terminal "C", and insert into item "A" (see sheet 5) which is the same "Front Headlamp Extension" harness mentioned above (see sheet 2). Route the loose light green wire to the right Headlamp, cut to length, crimp on the large terminal "B" and insert into the other item "A". You can now make the connection to both Headlamps.

Ground

Black GROUND Each "Front Headlight Extension" harness, item "A", has a black "GROUND" wire (circuits 150C and 150D) in each 3-way Head Light connector (see sheet 5). Locate a good ground location for each wire, crimp on ring terminal "K" to each wire and attach to a good ground.

7. Fog Light Connections

Black FOG LIGHTS If you have Fog Lights obtain the loose black "FOG LIGHTS" wire (circuit 500) and plug into the Bulkhead connector as shown on sheet 5. Route this wire to the Fog Lights and connect (NOTE: No connectors have been provided for the Fog Lights).

For the 7-way Bulkhead Connector (sheet 6)

1. Windshield Washer Pump

Washer Pump Feed

Dark Green no printing Obtain the dark green Washer Pump feed wire (circuit 94) which is already plugged into the Bulkhead connector. Route the loose end to the Washer Pump, cut to length, crimp on terminal "F" and insert into connector "H" (see sheet 6), and connect to the power feed terminal of the Washer Pump.

Washer Pump Ground

Black GROUND If a separate ground wire is required for your Washer Pump, obtain item "P", the "Ground Wire Extension", see sheet 2. Attach the ring terminal to a good ground. Route the loose end of the wire to the Washer Pump, cut to length, crimp on terminal "F", insert into connector "H" (see sheet 6), and connect to the ground terminal of the Washer Pump.

2. Horn

Horn Feed

Dark Green HORN Obtain the dark green "HORN" wire (circuit 29) which is already plugged into the Bulkhead connector. Route the loose end to the Horn, cut to length, (if you have a second Horn, double this wire (circuit 29) with the wire that was just cut), crimp on terminal "F" (or "E" for two Horns), and insert into connector(s) "H" (see sheet 6). Connect to the power feed terminal of the Horn(s).

Horn Ground

Black GROUND If a separate ground wire is required for your Horn(s), obtain item(s) "P", the "Ground Wire Extension", see sheet 2. Attach the ring terminal(s) to a good ground. Route the loose end of the wire(s) to the Horn(s), cut to length, crimp on terminal(s) "F", insert into connector(s) "H" (see sheet 6), and connect to the ground terminal of the Horn(s).

3. Optional Accessory

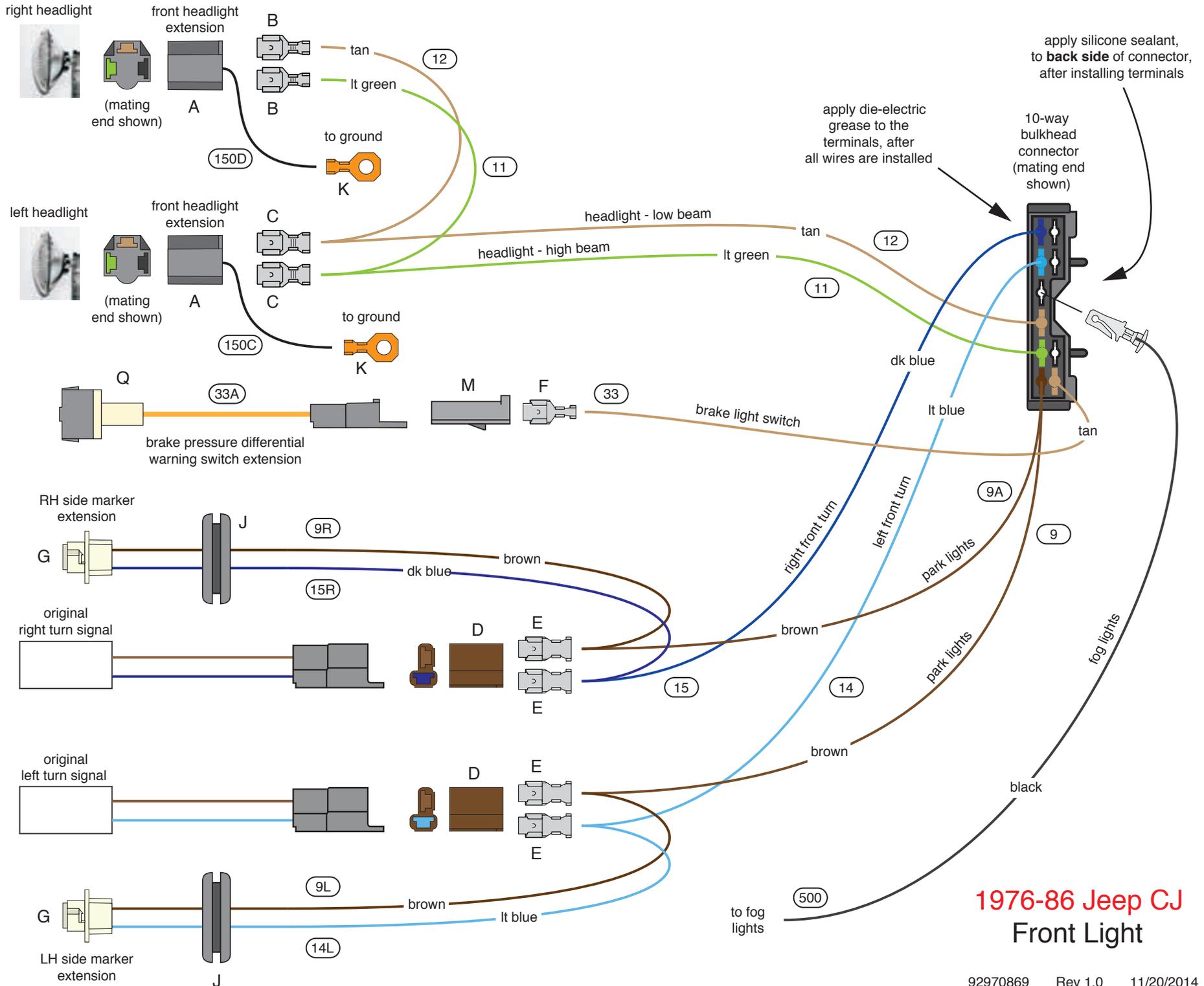
Orange no printing

If you have a high amperage Accessory (such as Driving Lights), that requires the use of an optional Relay Kit, an orange 12 gauge wire (circuit 140) has been provided in this kit to connect to the power output of a relay to supply power to the Accessory. Circuit 140 is available in this harness and continues through the Dash and the Rear Body Harnesses. For the connection to an Accessory, obtain the loose orange 12 gauge wire with no printing, and plug it into the bulkhead connector as shown on sheet 6. Route the loose end of the orange wire to the relay kit and connect to the power output (87 terminal on the relay) terminal or wire on the relay. This will transfer the power from your relay (not included in this kit) through the dash and rear body harnesses, then on to your high powered accessory (Driving Lights, etc.).

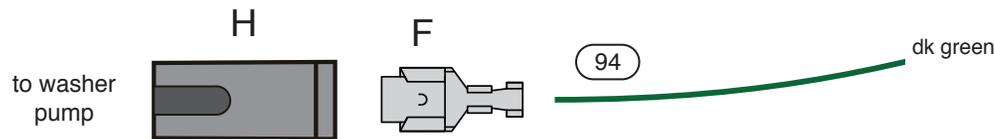
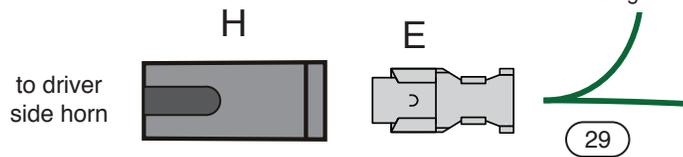
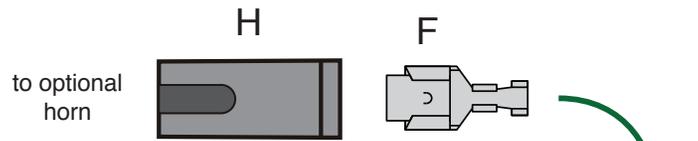
Note: An Optional Relay Kit (Universal Relay Kit 500479 or Universal Waterproof Relay Kit 500093) can be purchased from AAW separately.

**1976-86 Jeep CJ
Front Light**

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apply die-electric grease to the terminals, after all wires are installed

apply silicone sealant, to **back side** of connector, after installing terminals

7-way bulkhead connector (mating end shown)

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Front Light