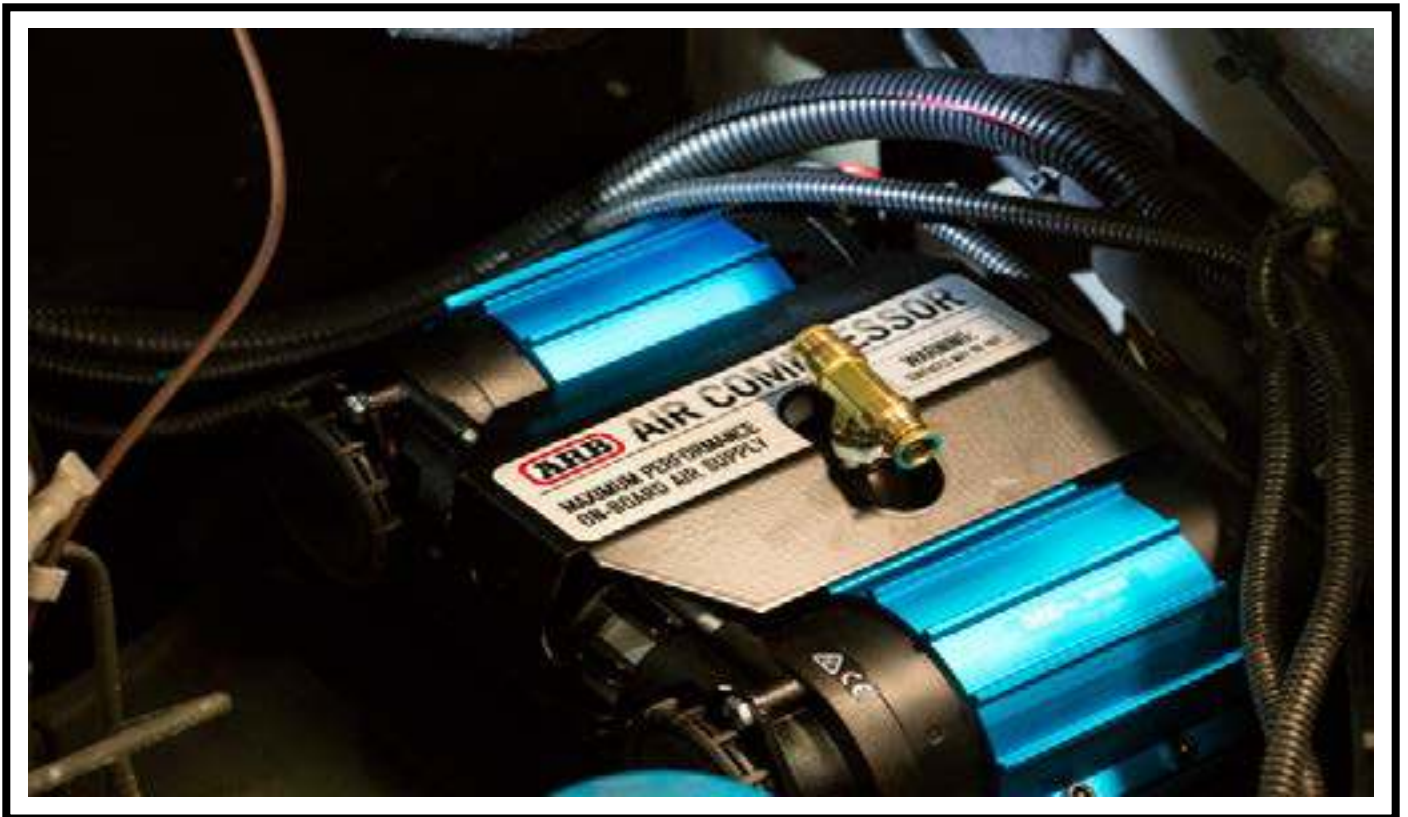




ARB ON-BOARD AIR COMPRESSOR INSTALLATION GUIDE



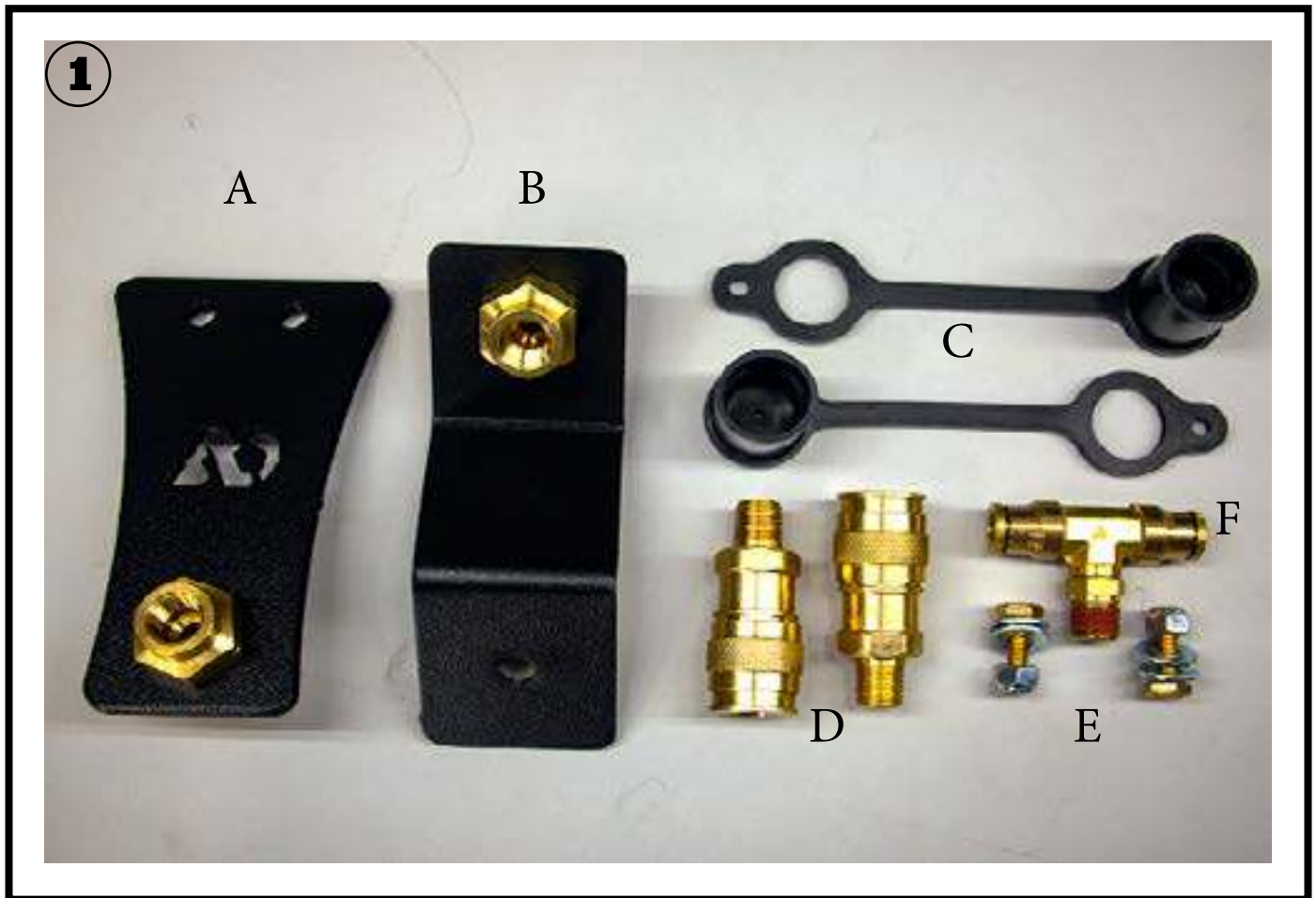
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PARTS, PIECES & TOOLS

COMPLETE PARTS LIST:

REAR AIR FITTING BRACKET (8030218)
FRONT AIR FITTING BRACKET (8030219)
2 AIR COUPLER COVERS (809.C.C)
2 AIR COUPLERS (809.AMC.B)Z
1/4" HARDWARE
T-FITTING 1/4 NPT (AQ72-DOTS-6X4)
20' AIRLINE COIL W/ EURO CLIP-ON
CHUCK (6293D-USA)
DOT NYLON AIR LINE (806.38.BLK)

COMPRESSOR PLATE ()
2 5/16-18" NUT-SERTS
STAND-OFF ANCHOR WITH BOLTS
NUT-SERT TOOL
SWITCH HARNESS
SWITCH HARNESS WEATHERPACK CONNECTOR
2 SPLICE CONNECTORS
COMPRESSOR HARNESS
COMPRESSOR HARNESS WEATHERPACK
CONNECTOR

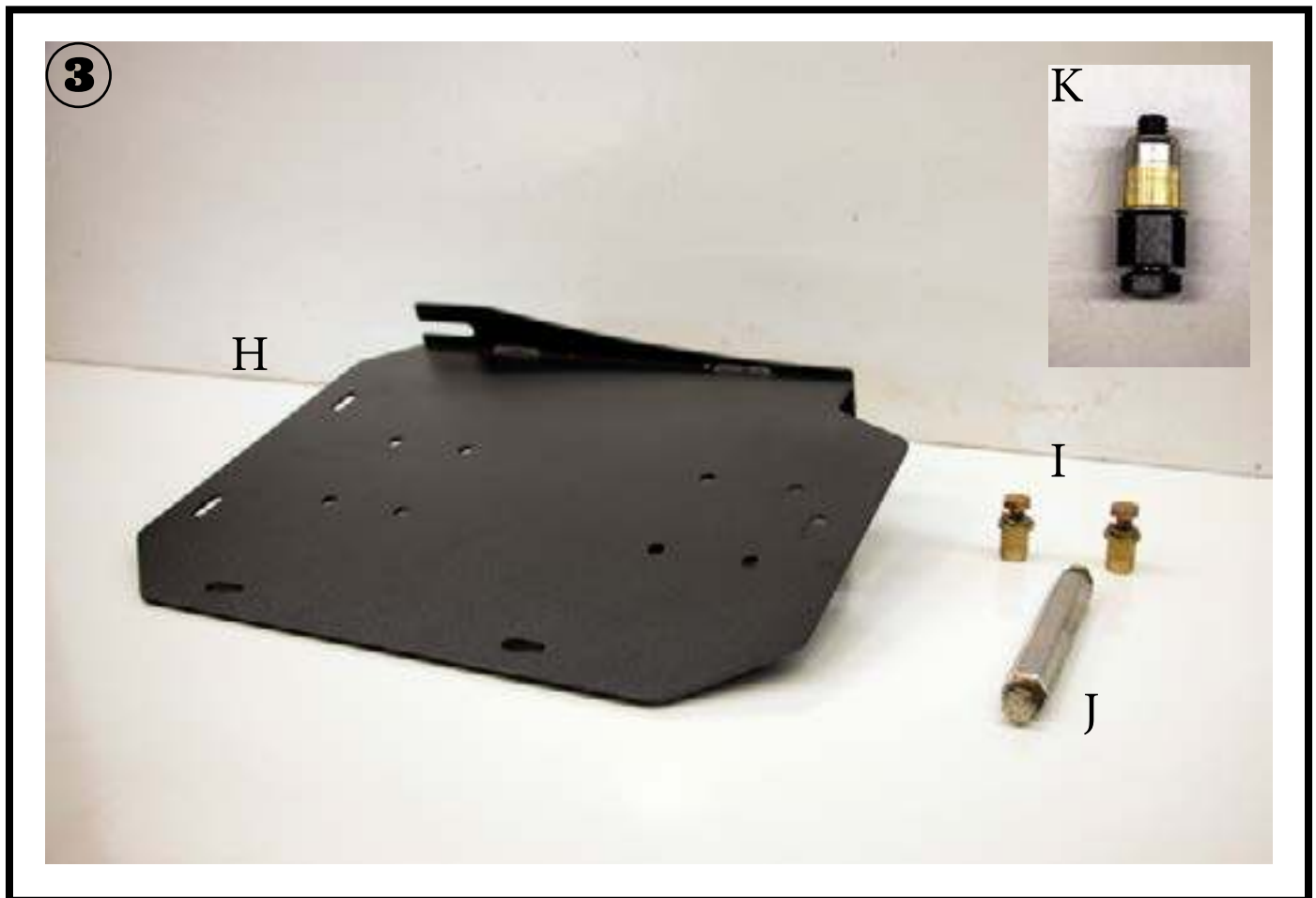


-
- A) REAR AIR FITTING BRACKET- 8030218
B) FRONT AIR FITTING BRACKET- 8030219
C) AIR COUPLER COVER QTY. 2- 809.C.C
D) AIR COUPLER QTY. 2- 809.AMC.B
E) 1/4" HARDWARE
F) T-FITTING 1/4 NPT- AQ72-DOTS-6X4
-

PARTS, PIECES & TOOLS



**G) 20' AIRLINE COIL
ASSEMBLY WITH EURO
CLIP-ON CHUCK-
6293D-USA,
FEMLAE AIR
CONNECTOR**

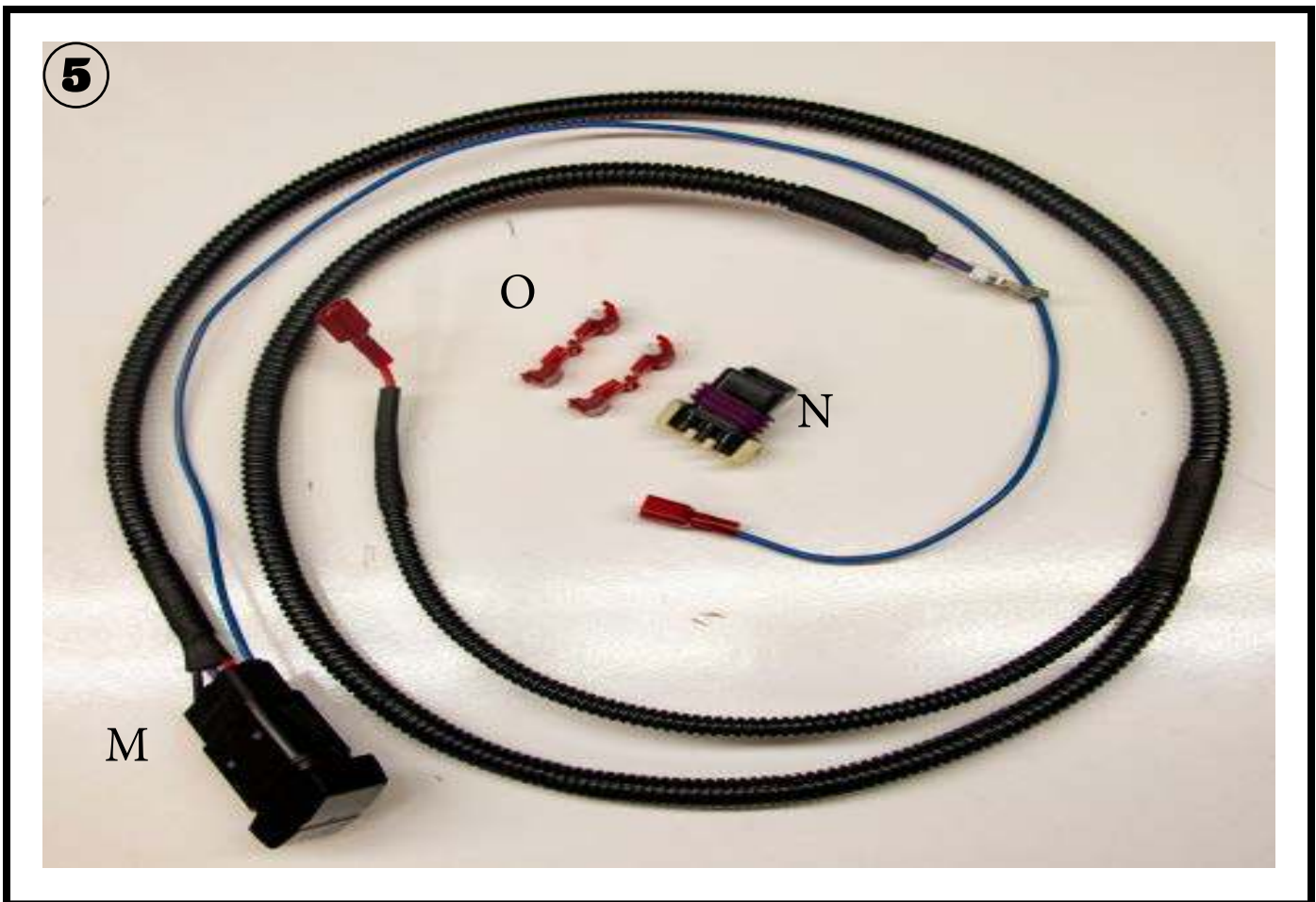


**H) COMPRESSOR PLATE-
I) 5/16-18" NUT-SERTS QTY. 2
J) STAND-OFF ANCHOR WITH BOLTS
K) NUT-SERT TOOL**

PARTS, PIECES & TOOLS

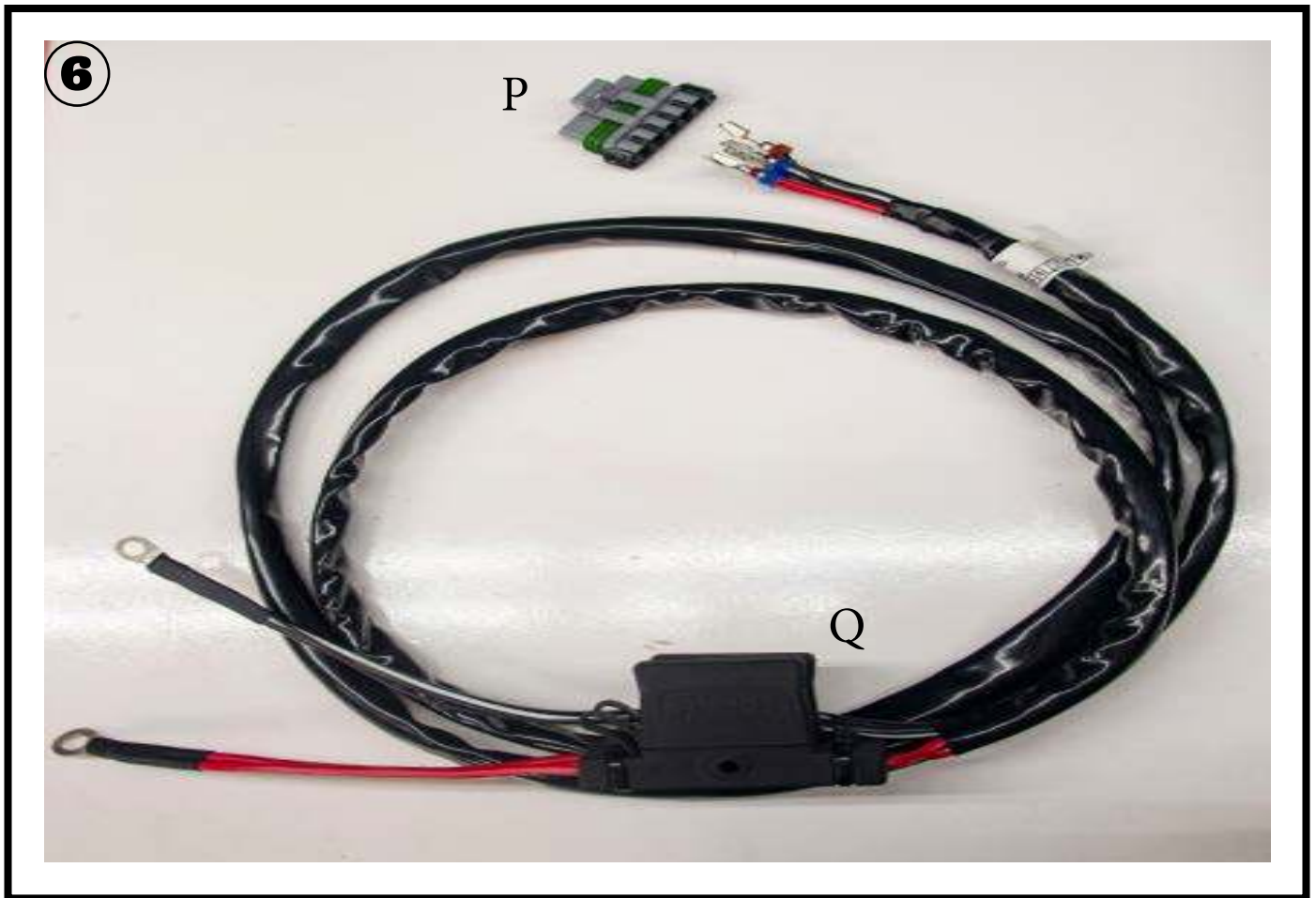


L) DOT NYLON AIR
LINE- 806.38.BLK



M) SWITCH HARNESS
N) SWITCH HARNESS WEATHERPACK CONNECTOR
O) SPLICE CONNECTOR QTY. 2

PARTS, PIECES & TOOLS



P) COMPRESSOR HARNESS
Q) COMPRESSOR HARNESS WEATHERPACK CONNECTOR

INSTALLING THE COMPRESSOR & PLATE

7



**MOUNT ARB
COMPRESSOR TO
AGILE OFF ROAD
PLATE USING ARB
SUPPLIED HARDWARE.
USE BLUE LOCTITE
WHEN ATTACHING
COMPRESSOR TO
PLATE.**

8



**APPLY TEFLON
TAPE TO SUPPLIED
T-FITTING THEN
INSTALL ON
COMPRESSOR OUTLET
PORT.**

9



**ON THE DRIVER'S SIDE
INNER FENDER, DRILL
OUT THE 2 EXISTING
INNER FENDER HOLES
USING 17/32" DRILL BIT
(NOT SUPPLIED).
USE A DRILL BIT STOP
COLLAR TO AVOID
DRILLING OUTER
FENDER SKIN.**

INSTALLING THE COMPRESSOR & PLATE

10



USE SUPPLIED NUT-SERT TOOL TO INSTALL NUT-SERTS INTO INNER FENDER HOLES.

11



LOCATE STAND-OFF ANCHOR LOWER ATTACHMENT POINT.

12



INSTALL LOWER STAND-OFF ANCHOR USING SUPPLIED HARDWARE. USE BLUE LOCTITE.

INSTALLING THE COMPRESSOR & PLATE



INSTALL PLATE AND
COMPRESSOR USING
SUPPLIED HARDWARE.



ASSEMBLE THE 2 SUPPLIED AIR
FITTING BRACKET WITH AIR
BULKHEAD FITTING.

CONNECTING THE AIR LINES



**APPLY TEFLON TAPE TO SUPPLIED
AIR COUPLERS AND INSTALL ON
TO BULK HEAD FITTING.**



**USING 13MM WRENCH
REMOVE PASSENGER-
SIDE FENDER BOLT,
& INSTALL SUPPLIED
BRACKET AND
REPLACE 13MM BOLT.**

CONNECTING THE AIR LINES

22



**NOTE: BRACKET SITS
BELOW PLASTIC.**

23



**ATTACH REAR BRACKET
TO PINCH WELD
USING SUPPLIED BOLTS
(DRILLING REQUIRED).**

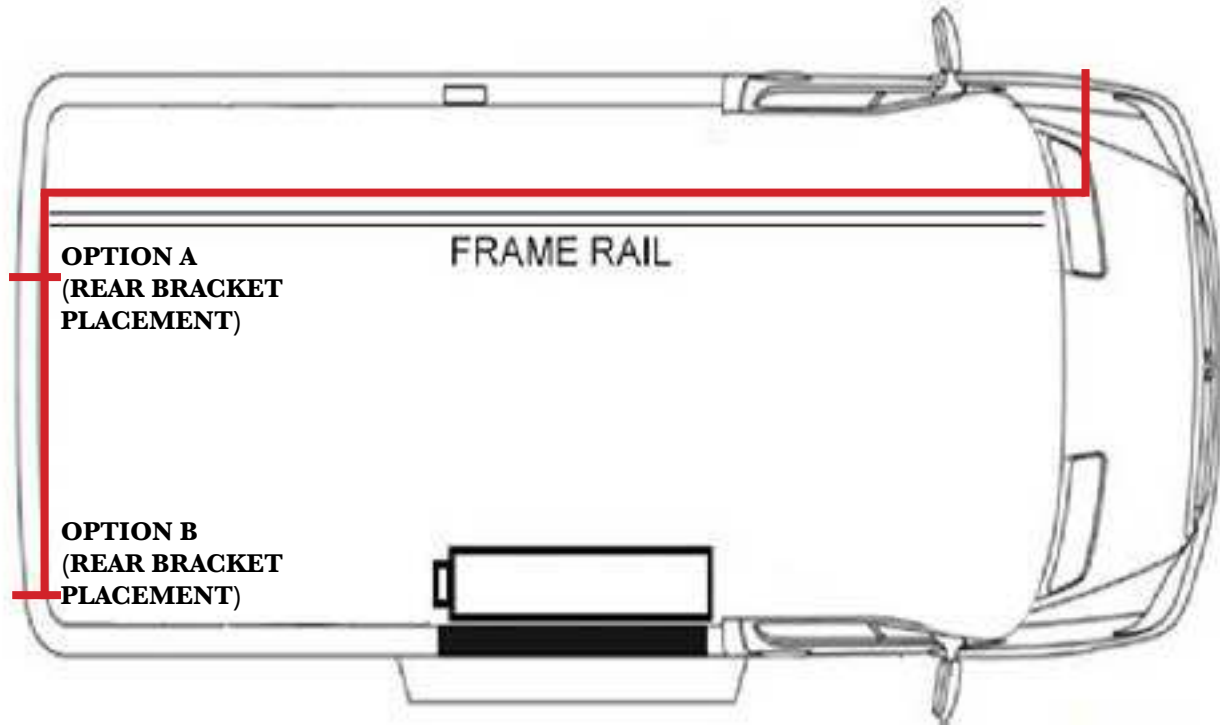
24



**ROUTE SUPPLIED 3/8" LINE FROM
COMPRESSOR
T-FITTINGS TO FRONT
AND REAR AIRLINE
FITTING.**

CONNECTING THE AIR LINES

25



WHEN ROUTING SUPPLIED AIRLINE FROM REAR BRACKET TO COMPRESSOR. AVOID EXHAUST, SUSPENSION, AND DRIVELINE COMPONENTS. FOLLOW ROUTING DIAGRAM. AVOID SUSPENSION COMPONENTS AND EXHAUST.

CONNECTING THE ELECTRICAL SYSTEM

26



**REMOVE LOWER DASH
PANEL BELOW HEAD
LIGHT SWITCH.**

27



**REMOVE 1 SPARE
SWITCH COVER.**

28



**INSTALL SUPPLIED
SWITCH/SWITCH
HARNESS INTO SPARE
SWITCH LOCATION &
ROUTE WIRES TO
EXISTING UPPER FIRE
WALL PASSTHROUGH
HOLE.**

CONNECTING THE ELECTRICAL SYSTEM

29



COMPRESSOR POWER
HARNESS & SWITCH
HARNESS ARE SHIPPED
WITHOUT WEATHERPACK
CONNECTORS TO
ALLOW EASY INSTALLATION
THROUGH FIREWALL. REFER
TO PHOTOS #41 & #42 FOR
REASSEMBLY. PICTURED IS
COMPRESSOR POWER SUPPLY
HARNESS WITHOUT
WEATHERPACK.

30



LOCATE UPPER
AUXILIARY FIREWALL
PASSTHROUGH.

31



FROM THE INSIDE OF
CAB, PUSH THROUGH
APPROXIMATELY 18-
20" OF BOTH HARNESS.

CONNECTING THE ELECTRICAL SYSTEM

32



**CUT FACTORY
GROMMET, INSERT
BOTH HARNESSES,
RE-INSTALL GROMMET.**

33



**REMOVE LOWER FUSE
BLOCK TO LOCATE
BLACK/GREEN KEYED
12V POWER SOURCE.**

34



**ATTACH SUPPLIED
SPLICE WIRE
CONNECTOR TO
BLACK/GREEN WIRES.**

CONNECTING THE ELECTRICAL SYSTEM

35



**CONNECT RED WIRE
TERMINAL TO TAP OF
12V KEY POWER WIRE.**

36



**RE-INSTALL LOWER
FUSE BLOCK.**

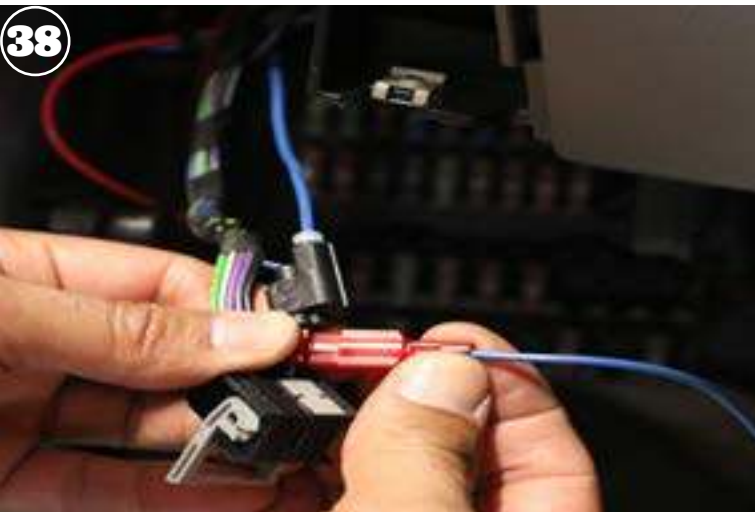
37



**DISCONNECT ECU
HARNESS. ATTACH
SUPPLIED WIRE SPLICE
CONNECTOR T-TAP TO
BLUE/GREY
ILLUMINATION.**

CONNECTING THE ELECTRICAL SYSTEM

38



**CONNECT BLUE WIRE
TERMINAL TO T-TAP
OF BLUE/GREY
ILLUMINATION WIRE.**

39



**RECONNECT ECU
HARNESS.**

40



**ROUTE POWER SUPPLY
HARNESS TO BATTERY
BOX. HARNESS SHOULD
BE ROUTED BEHIND
ACCELERATOR PEDAL
AND UNDER DRIVER-SIDE
FLOOR MAT. AVOID
INTERFERING WITH
ACCELERATOR PEDAL
OPERATION.**

CONNECTING THE ELECTRICAL SYSTEM

41



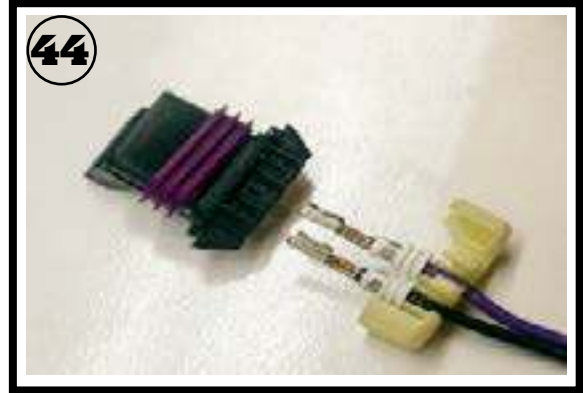
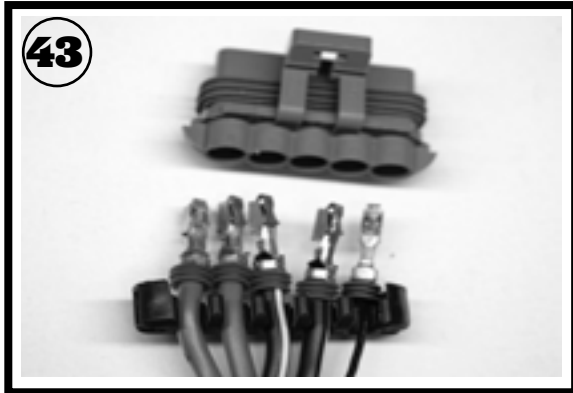
**CONNECT BLACK
GROUND WIRES TO
NEGATIVE BATTERY
TERMINAL.**

42



**CONNECT RED
POWER WIRES TO
POSITIVE BATTERY
TERMINAL USING
SUPPLIED NUT.**

CONNECTING THE ELECTRICAL SYSTEM



COMPRESSOR POWER HARNESS IS SHIPPED WITH CONNECTOR PLUG REMOVED TO FACILITE INSTALLATION. CONNECTOR PLUG MUST BE REINSTALLED AS ILLUSTRATED TO AVOID DAMAGE TO COMPRESSOR AND/OR FIRE HAZARD. SWITCH HARNESS IS SHIPPED WITH CONNECTOR PLUG REMOVED. CONNECT POWER AND SWITCH HARNESS TO CORRESPONDING COMPRESSOR TERMINAL.

COMPRESSOR WILL ONLY OPERATE WHEN IGNITION IS IN THE “ON” POSITION. TEST COMPRESSOR AND LISTEN FOR LEAKS.
