

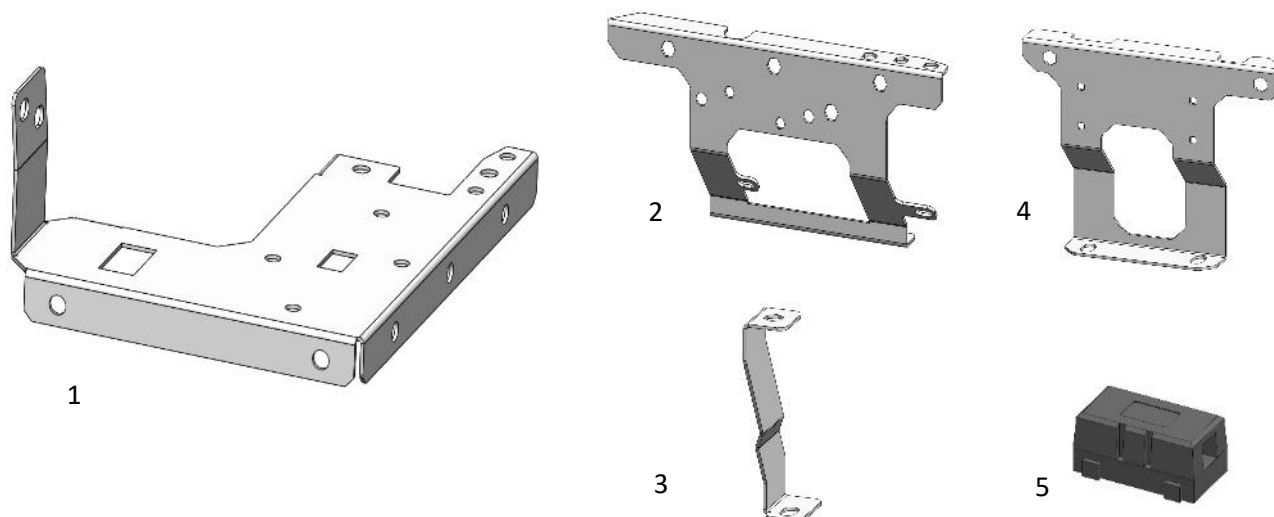
PRODUCT	TJM SINGLE COMPRESSOR MOUNTING BRACKET
VEHICLE	70 SERIES LANDCRUISER 2018+
PART NUMBER	JB-CB203

ESTIMATED FIT TIME- 120-150 MINS (EXCLUDING DIFF LOCKER INSTALLATION)

FITTING DIFFICULTY- MEDIUM-HARD

IMPORTANT NOTES- ENSURE APPROPRIATE SWITCHING AND AIR OUTLET OPTIONS HAVE BEEN CHOSEN AND PLANNED FOR ACCORDINGLY PRIOR TO FITTING (REFER TO STEPS 2.A IF REQUIRED). THIS MAY INCLUDE PURCHASE OF ADDITIONAL FITTINGS SUCH AS GENUINE STYLE SWITCHES, AIR HOSE AND ELBOWS ETC NOT SUPPLIED IN THIS KIT.

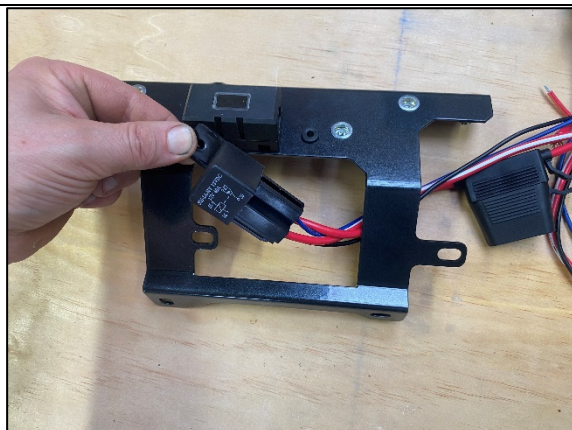
THERE IS PROVISION TO RE-LOCATE A FUEL FILTER TO THIS BRACKET. THIS IS NOT A REQUIRED PART OF THIS INSTALL BUT IF NEEDED, SEPARATE PART AND INSTRUCTIONS AVAILABLE (JB-CB203F).



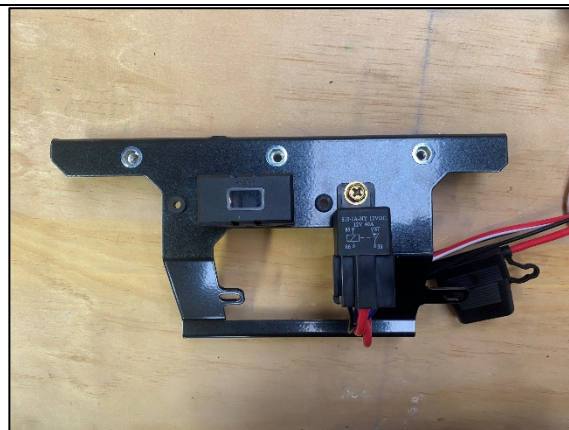
KIT CONTENTS

ITEM	DESCRIPTION	PART NO.	QTY
1	70 SERIES SINGLE COMPRESSOR TOP PLATE	10-CB203A	1
2	70 SERIES SINGLE COMPRESSOR FRONT PLATE	10-CB203B	1
3	70 SERIES SINGLE COMPRESSOR REAR SUPPORT	10-CB203C	1
4	70 SERIES SINGLE COMPRESSOR SIDE PLATE	10-CB203D	1
5	JBA ANS-H FUSE HOLDER AND 40A FUSE	JB-BB104	1
6	M6 HEX SERR FLANGE NUT ZY	N24 06ZY	1
7	M6 x 20MM SEMS ASSMEMBLY Z/Y	B48 0620ZY	2
8	M6 X 16MM CSK HD PHIL M/T GR 304 S/S NYLON PATCH	X37 0616CP304PN	7
9	M8 X 20MM SEMS ASSMEMBLY Z/Y	JNS-32	2
10	M8 X 16MM HEX HEAD SET SCREW GR 8.8 316 S/S	X07 80168.8316	4
11	5/16 X 3/4 X 18G FLAT WASHER GR 304 S/S	X79 082018G304	4
12	M8 NYLON INSERT LOCK NUT GR 304S/S	X53 8304	4
13	10MM2 6MM STUD FLARED ENTRY CABLE LUG	57120	2
14	20MM HEAT SHRINK RED 6.4MM	ACX1275	2
15	4.8MM X 300MM CABLE TIES	56406	8

1. PREPARING WIRING LOOM AND BRACKETS



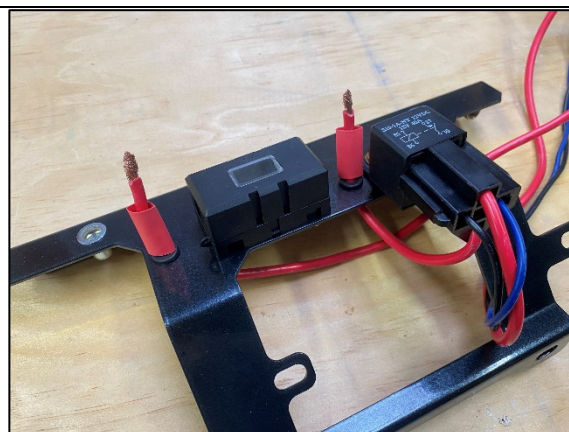
STEP 1.1 LAY 10-CB203B COMPRESSOR FRONT PLATE ON WORKBENCH AND FEED THE RELAY THROUGH FROM UNDERNEATH AS SHOWN.



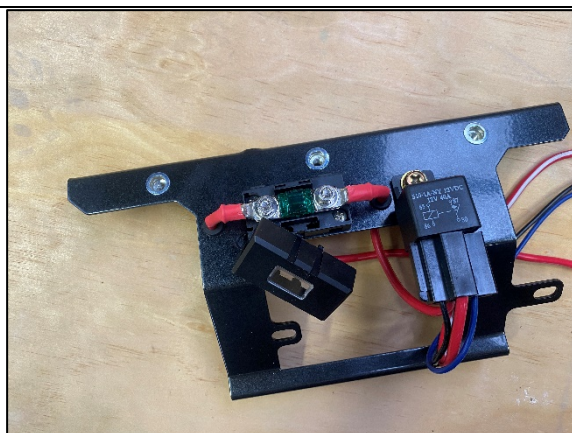
STEP 1.2 FASTEN RELAY TO BRACKET USING M6 x 20MM SEMS ASSMEMBLY IN TO NUTSERT AS SHOWN.



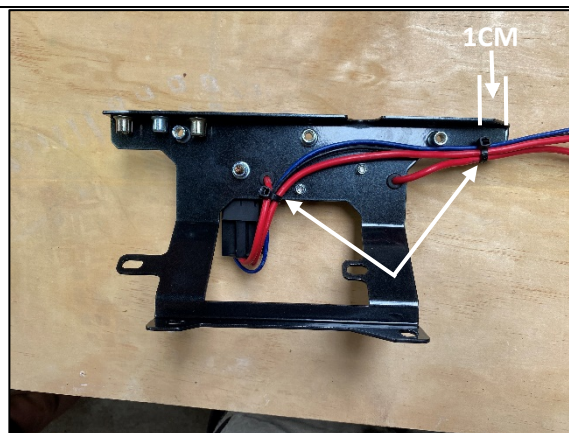
STEP 1.3 CUT EXISTING BLADE FUSE HOLDER FROM TJM WIRING LOOM CUTTING AS CLOSE TO FUSE AS POSSIBLE.



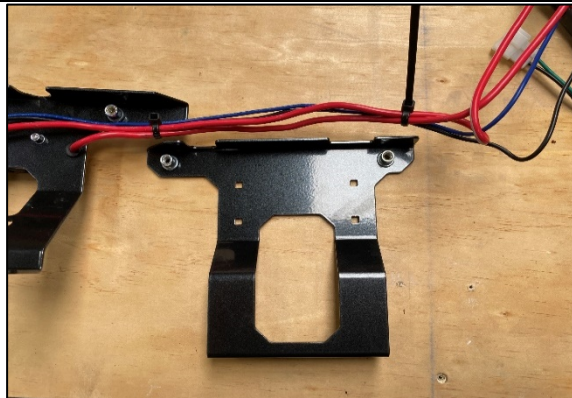
STEP 1.4 FEED EACH END THROUGH GROMMETS IN FRONT PLATE, STRIP EACH END AND PLACE HEAT SHRINK OVER AS SHOWN.



STEP 1.5 CRIMP ON CABLE LUGS AND HEAT THE HEAT SHRINK ON NEATLY. FASTEN EACH CABLE END TO FUSE HOLDER. CLOSE FUSE HOLDER.



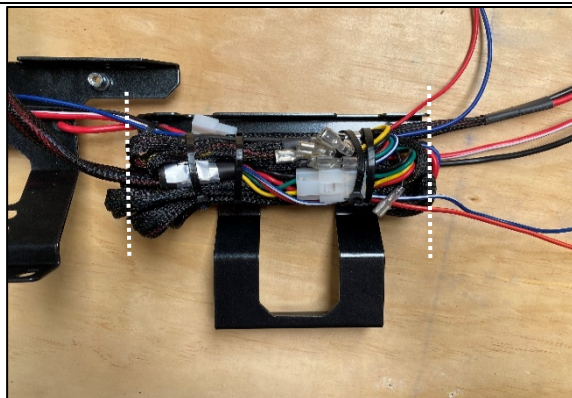
STEP 1.6 FLIP BRACKET OVER AND CABLE TIE LOOM AS SHOWN. PLACE ONE CABLE TIE NEATLY NEAR GROMMET ON LHS AND THE OTHER APPROX 1CM FROM RHS END.



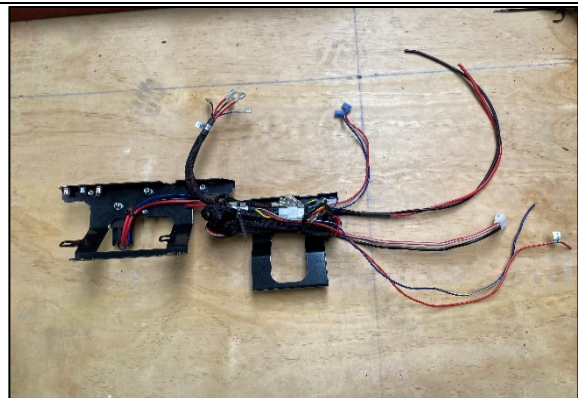
STEP 1.7 LAY 10-203D SIDE PLATE TO THE RIGHT OF THE FRONT AS SHOWN WITH APPROX 2CM OVER LAP. PLACE ANOTHER CABLE TIE APPROX 1CM IN FROM THE RHS END.



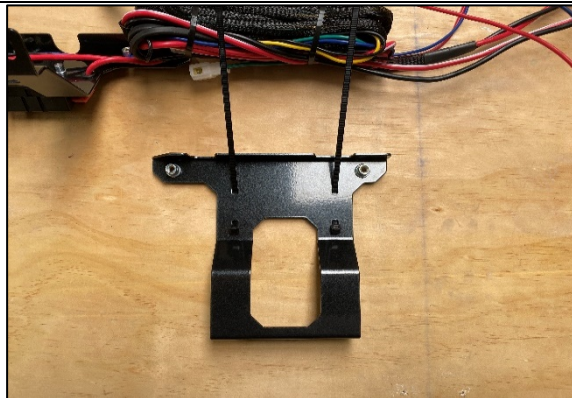
STEP 1.8 THE CABLE TIES SHOULD APPROX 1-2CM IN FROM EITHER END AND ABOUT 16CM APART. THIS STEP CAN BE A BIT TEDIOUS BUT WILL ENSURE THE FOLLOWING STEPS AND REST OF THE INSTALL GO EASILY SO TAKE YOUR TIME.



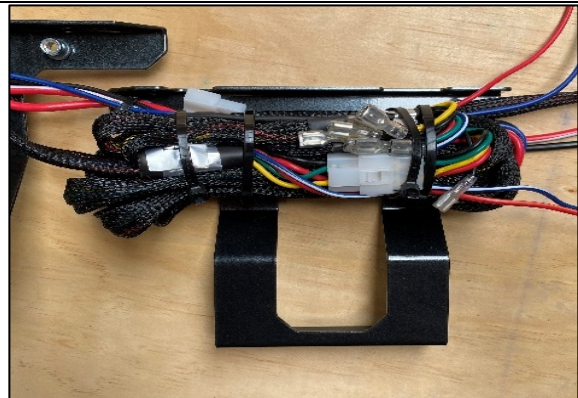
STEP 1.9 BUNCH THE LOOM AS TIGHTLY AS POSSIBLE ENSURING THE LOOM REMAINS THE SAME WIDTH AS THE SIDE PLATE (APPROX 20CM WIDE). PLACE A CABLE TIE AT EITHER END OF LOOM TO KEEP IN PLACE AND TIGHTEN AS MUCH AS POSSIBLE. TRIM CABLE TIES.



STEP 1.10 AS YOU ARE BUNCHING THE LOOM, KEEP OUT ALL RELEVANT PARTS OF THE LOOM REQUIRED FOR WIRING. IN THE EXAMPLE ABOVE LOCKERS ARENT BEING INSTALLED SO HAVE BEEN GROUPED UP IN THE LOOM, KEEP THESE ENDS OUT IF REQUIRED.



STEP 1.11 PLACE LOOM ASIDE AND FEED THROUGH 2 X CABLE TIES FROM THE INSIDE OF THE SIDE PLATE AS SHOWN.

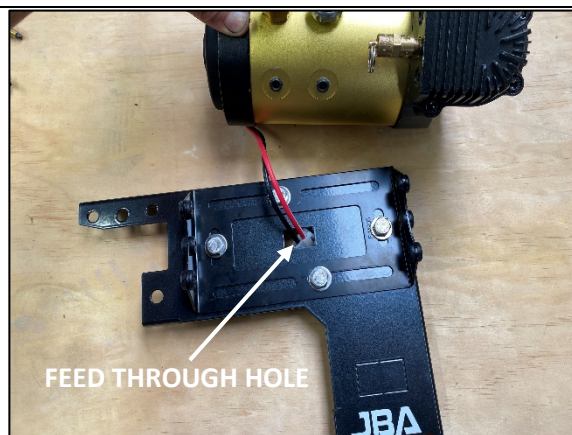


STEP 1.12 PLACE LOOM OVER CABLE TIES AND TIGHTEN TO SIDE PLATE. TRIM CABLE TIES.

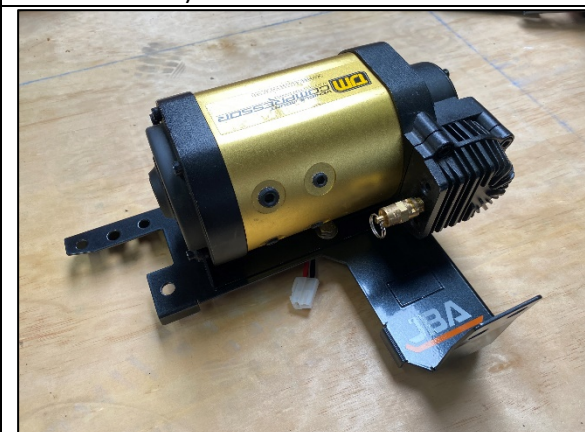
2. PREPARE THE COMPRESSOR



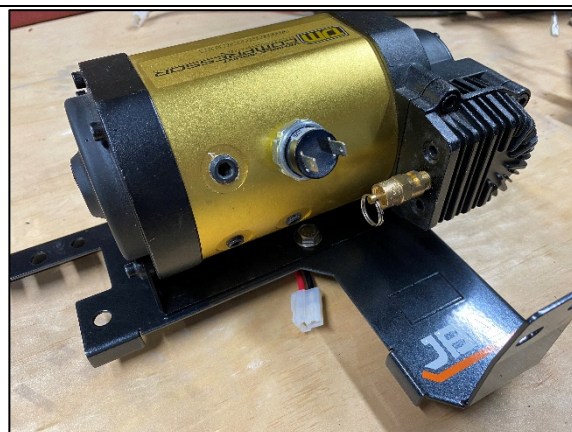
STEP 2.1 SEPARATE THE COMPRESSOR FROM THE COMPRESSOR BASE. MOUNT THE COMPRESSOR BASE ON THE 10-CB203A TOP PLATE USING M8 X 16MM BOLT, WASHER (TOP AND BOTTOM) AND M8 NYLOC NUT AS SHOWN



STEP 2.2 FEED THE POWER WIRE THROUGH THE RECTANGULAR HOLE IN THE TOP PLATE AS SHOWN.



STEP 2.3 RE-ATTACH COMPRESSOR BODY TO THE COMPRESSOR BASE AT 90 DEGREES AS SHOWN.



STEP 2.4 INSTALL THE PRESSURE SWITCH FROM THE TJM LOOM IN THE TOP RIGHT 1/8" PORT APPLYING THREAD SEALANT AS SHOWN.

2A OPTIONAL STEPS FOR SWITCHING AND AIR OUTLET

2A.1 SWITCHING

THE JBA BRACKET PROVIDES AN OPTION TO UTILISE THE TJM COMPRESSOR SWITCH SUPPLIED IN THE COMPRESSOR LOOM. THE REMAINDER OF THE INSTRUCTIONS SHOW THIS OPTION FITTED. THE COMPRESSOR CAN BE SWITCHED FROM ANY OTHER LOCATION SUCH AS INSIDE THE VEHICLE ON THE FRONT DASH FOR EXAMPLE. THESE ALTERNATIVE SWITCHING OPTIONS ARE NOT PROVIDED FOR IN THIS KIT AND MAY REQUIRE ADDITIONAL OPTIONAL PARTS NOT SUPPLIED BY JBA.

TO INSTALL THE SUPPLIED SWITCH INTO THE JBA BRACKET, REMOVE THE KNOCK OUT TAB IN THE BRACKET AND FILE ANY REMAINING EDGES AS REQUIRED. IT IS EASIER **NOT** TO INSTALL THE SWITCH INTO THE BRACKET AT STAGE AND WAIT UNTIL STEP 3 BELOW. AN EXAMPLE OF THE SWITCH FITTED IS PROVIDED BELOW FOR REFERENCE.



2A.2 AIR OUTLET

THE JBA KIT ALLOWS FOR THE INSTALLATION OF THE NITTO COUPLING PROVIDED IN THE TJM AIRLINE KIT 013COMPAKN (**NOT SUPPLIED BY JBA**) IN THE BELOW STEPS. ANY OTHER NITTO COUPLING WITH A 1/4" BSP THREAD CAN BE USED IF DESIRED. NITTO OUTLET CAN BE FITTED ELSEWHERE REMOTELY IN THE VEHICLE USING ELBOWS AND HOSES AS REQUIRED (PURCHASED SEPERATLEY FROM JBA OR OTHER) AND FITTED AT THIS TIME IF CHOSING THIS OPTION.



OPTIONAL STEP 2A.2-1 APPLY 567 THREAD SEALANT TO THE NITTO FITTING.



OPTIONAL STEP 2A.2-2 FIX THE NITTO FITTING TO THE COMPRESSOR TOP 1/4" BSP LEFT SIDE THREAD AS SHOWN.

3. INSTALLING THE BRACKET AND COMPRESSOR INTO THE VEHICLE



STEP 3.1 UN SCREW 3 X M6 CAPTIVE BOLTS FROM POWER STEERING FLUID HOLDER AND PULL ASIDE EXPOSING CAPTIVE THREADS IN BODY. (REAR 3RD BOLT NOT SHOWN IN PIC)



STEP 3.2 REMOVE 2 X TRIM CLIPS ON MAIN POWER LOOM FROM BASE BRACKET. SQUEEZE FROM EITHER SIDE UNDER BRACKET TO GET OUT. REMOVE M6 NUT AND WASHER AND KEEP ASIDE.



STEP 3.3 REMOVE M6 NUT AND WASHER FROM BESIDE ABS UNIT AND SET ASIDE. THE USE OF A MAGNET CAN BE HANDY HERE IF AVAILABLE.

STEP 3.4 FIT 10-CB203C REAR SUPPORT AS SHOWN AND LOOSELY REFIT M6 NUT AND WASHER. DON'T FULLY TIGHTEN AT THIS STAGE.

STEP 3.5 FIT 10-CB203B AND 10-CB203D PRE ASSEMBLED IN STEPS 1.1-1.12 ABOVE. THIS STEP REQUIRES SOME MANIPULATION AND PATIENCE. DON'T FULLY TIGHTEN SCREWS/NUTS AT THIS STAGE.

STEP 3.6 RECLIP MAIN LOOM TO NEW LOCATIONS ON 10-CB203D SIDE SUPPORT AS SHOWN.

STEP 3.7 BRING 10-CB203A TOP PLATE ASSEMBLED IN STEPS 2.1-2.3 ABOVE INTO THE

STEP 3.8 CONNECT WIRING LOOM
 - IF ON.OFF SWITCHING ON BRACKET FEED LOOM THROUGH HOLE

<p>ENGINE BAY RESTING JUST TO THE SIDE OF SUPPORT BRACKETS AS SHOWN.</p>	<p>PREPARED PREVIOUSLY. IF SWITCHING IN CAB, EXTEND WIRES AND RUN AS REQUIRED</p> <ul style="list-style-type: none">- CONNECT COMPRESSOR POWER WIRE- RUN MAIN POWER AND NEGATIVE WIRES TO BATTERY AS REQUIRED- CONNECT ACC (RED/YELLOW) AND DASH (BLUE/WHITE) WIRES AS REQUIRED- EXTEND AND RUN DIFF LOCKER WIRES INTO CAB IF FITTING- CONNECT PRESSURE SWITCH WIRES
<p>STEP 3.9 CABLE TIE AND TUCK LOOM UP NEATLY ENSURING NO LOOSE OR EXPOSED WIRES ARE LEFT.</p>	<p>STEP 3.10 LIFT TOP PLATE INTO PLACE AND LOOSLY FIT 7 X M6 X 16 CSK SCREWS (2 ON TOP AND 5 ON OUTSIDE EDGES) FINGER TIGHT AT THIS STAGE.</p>
<p>STEP 3.11 FIT 2 X M8 X 20 SEMS TO TOP HOLES INTO CAPTIVE BODY THREADS.</p>	<p>STEP 3.12 FULLY TIGHTEN ALL SCREWS AT THIS POINT. TEST COMPRESSOR AND CHECK FOR ANY LEAKS.</p>

IF FITTING FUEL FILTER RELOCATION BRACKET FIT NOW REFEREING TO SEPARATE INSTRUCTIONS AND FASTENERS AS REQUIRED.