

PRODUCT- TJM TWIN COMPRESSOR MOUNTING BRACKET

VEHICLE- FORD TRA NEXT GEN RANGER 2022+

PART NUMBER- JBA-CB282/283 LINER AND NON-LINER VARIANTS

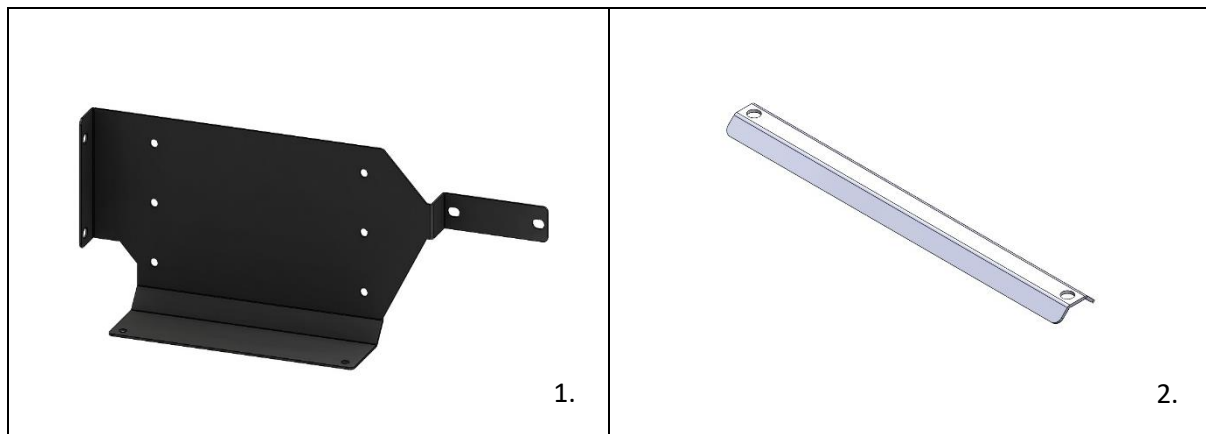
ESTIMATED FIT TIME

- PREPERATION AND MOUNTING OF COMPRESSOR AND BRACKET 60 MINS
- ELECTRICAL WIRING AND PLUMBING OF AIR OUTLETS 60-90MINS

IMPORTANT NOTES

- READ INSTRUCTIONS CAREFULLY PRIOR TO FITMENT
- ENSURE 567 THREAD SEALANT IS APPLIED TO ALL AIR THREADS INSTALLED
- REFER TO TJM COMPRESSOR INSTALLATION INSTRUCTIONS FOR WIRING SPECIFICATIONS
- NITTO FITTING USED WITH KITS ARE SUPPLIED SEPERATLEY (NOT BY JBA) AVAILABLE THROUGH TJM STORES (P/N 013COMPPF01)

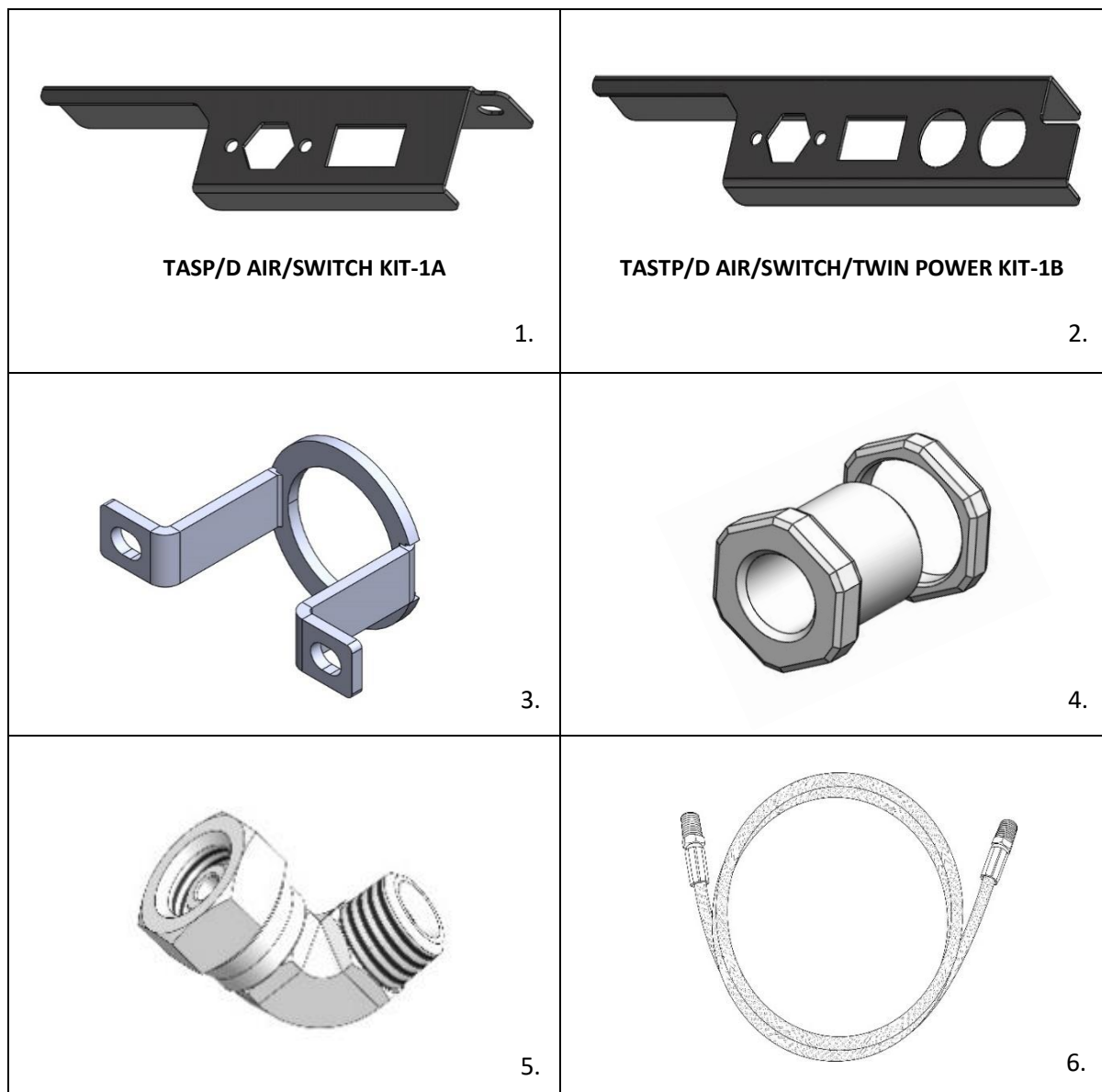
KIT CONTENTS



ITEM	DESCRIPTION	PART NO.	QTY
1	JBA TRA NEXT GEN RANGER COMPRESSOR BRACKET	10-CB282/283A	1
2	JBA NEXT GEN RANGER FLOOR MOUNT PLATE	10-CB282FMP	1
3	M8 X 16MM BUTTON HD SOCKET SCR GR 304 S/S	X72 08016304	6
4	M8 X 20MM BUTTON HD SOCKET SCR GR 304 S/S	X72 08020304	6
5	5/16 X 3/4 X 18G FLAT WASHER GR 304 S/S	X79 082018G304	20
6	M8 NYLON INSERT LOCK NUT GR 304S/S	X53 8304	8

OPTIONAL KIT PARTS- JBA-CB282/283KIT-1A/1B

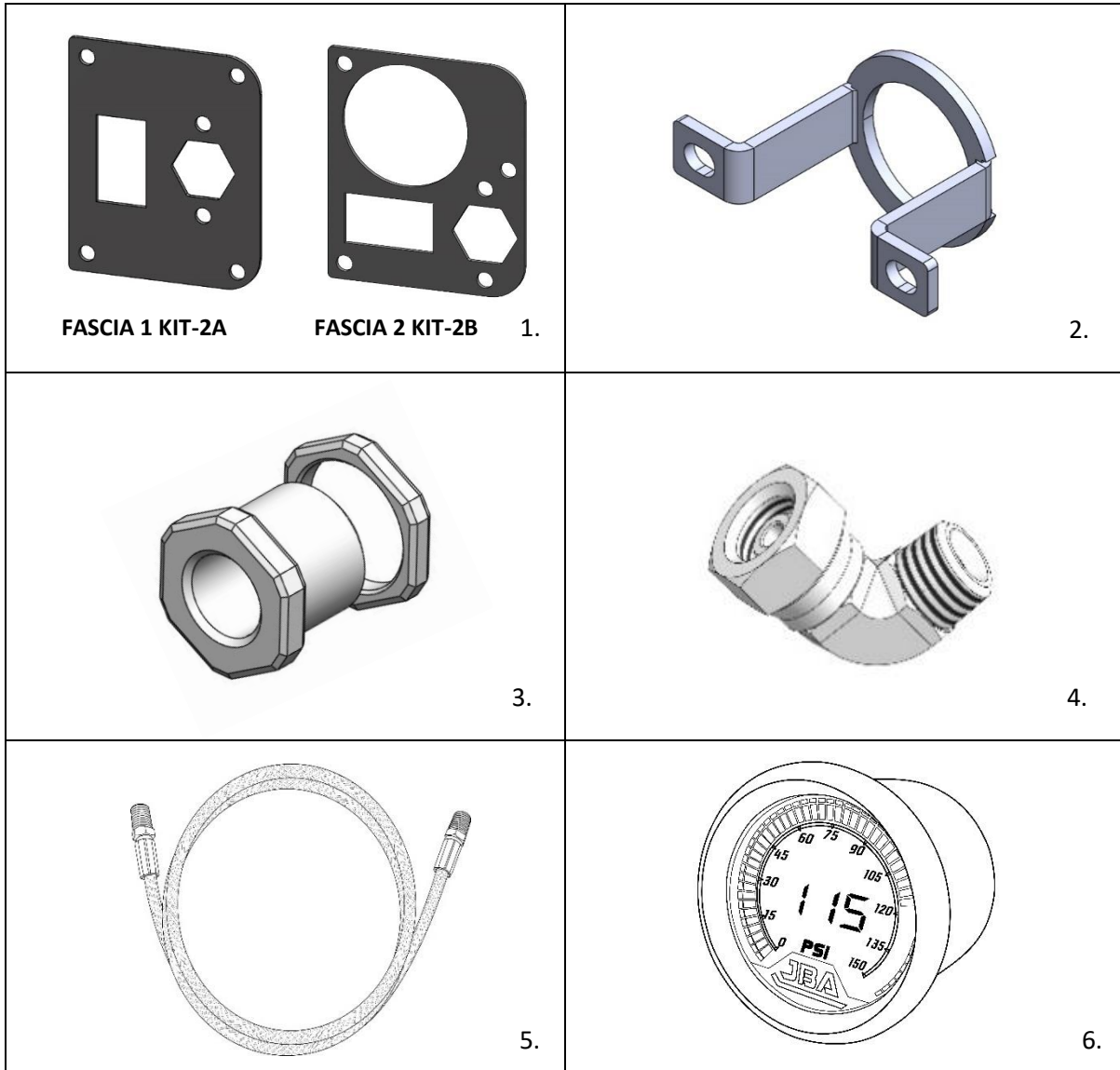
REAR TUB MOUNT PANEL WITH AIR/SWITCH OUTLET/TWIN POWER PROVISION



ITEM	DESCRIPTION	PART NO.	QTY
1	JBA IN TUB AIR/SWITCH PASS/DRIV SIDE KIT-1A OR	JBA-CB283TASP/D OR	1
2	JBA IN TUB AIR/SWITCH/TWIN POWER P/D KIT-1B	JBA-CB283TASTP/D	1
2	JBA BULK HEAD RECESSED HOUSING BRACKET	JBA-CB101B	1
3	JBA STAINLESS BULK HEAD	JBA-CB103	1
4	JBA STAINLESS ELBOW 90 DEGREE	JBA-CB106	2
5	JBA STAINLESS HOSE 800MM	JBA-CB112	1
6	M4 X 16 CSK GR 304 S/S	X37 0416CP304	2
7	M4 NYLOC NUT GR 304 S/S	X53 4304	2
8	M4 X 10 WASHER GR 304 S/S	X80 4090.8304	2
9	M8 X 20MM BUTTON HD SOCKET SCR GR 304 S/S	X72 08020304	1
10	5/16 X 3/4 X 18G FLAT WASHER GR 304 S/S	X79 082018G304	1
11	10MM NYLON SPACER	10NYLBK	1

OPTIONAL KIT PARTS- JBA-CB282/283 KIT-2A/2B

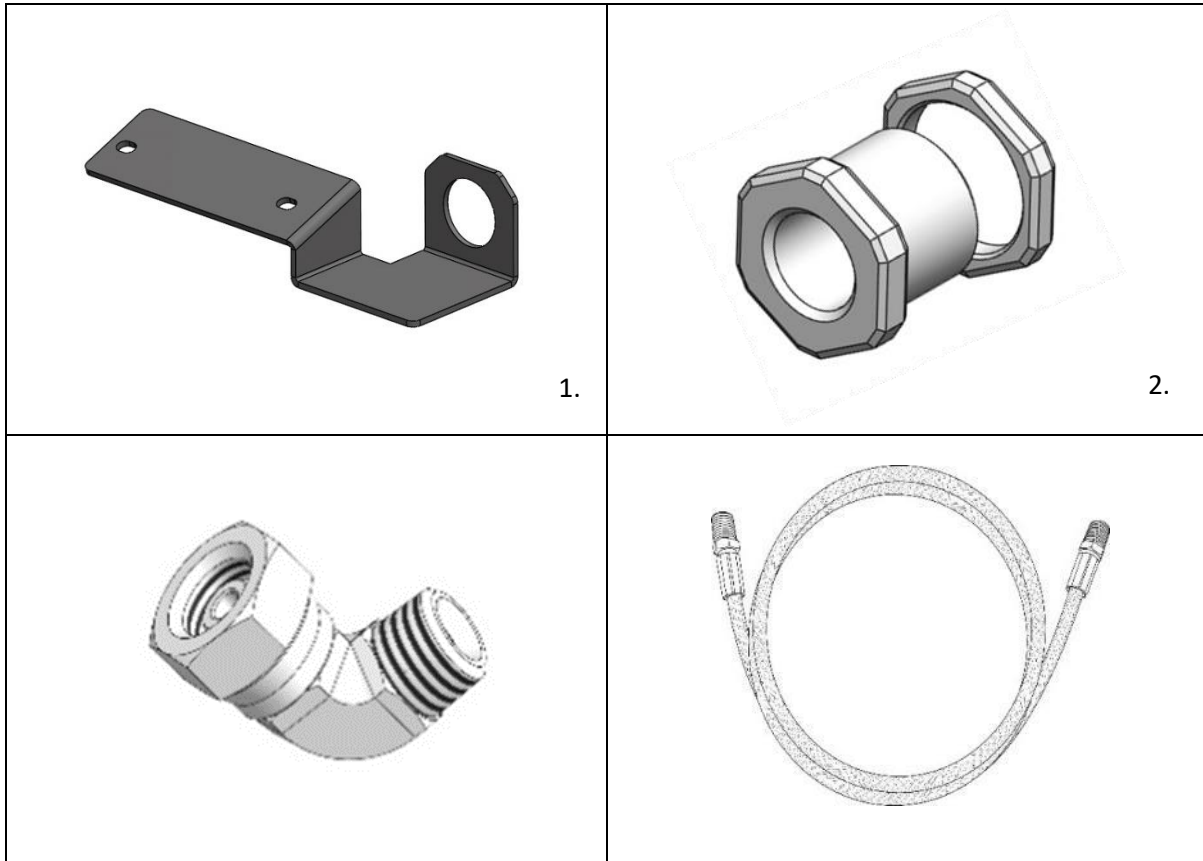
REAR 12V PANEL FASCIA OUTLET PANEL WITH AIR/SWITCH/GAUGE OUTLET



ITEM	DESCRIPTION	PART NO.	QTY
1	JBA RANGER FASCIA PLATE 1 AIR/SWITCH (KIT-2A) <u>OR</u> FASCIA PLATE 2 AIR/SWITCH/GAUGE (KIT-2B)	10-CB252FP1 <u>OR</u> 10-CB252FP2	1
2	JBA BULK HEAD RECESSED HOUSING BRACKET	JBA-CB101B	1
3	JBA STAINLESS BULK HEAD	JBA-CB103	1
4	JBA STAINLESS ELBOW 90 DEGREE	JBA-CB106	2
5	JBA STAINLESS HOSE 400MM	JBA-CB111	1
6	JBA 12V DIGITAL PSI GAUGE (KIT-1B ONLY)	JBA-CB151	1
7	CABLE GLAND 25MM	JBA-CB191	1
8	M4 X 16 CSK GR 304 S/S	X37 0416CP304	6
9	M4 NYLOC NUT GR 304 S/S	X53 4304	6
10	M4 X 10 WASHER GR 304 S/S	X80 4090.8304	6

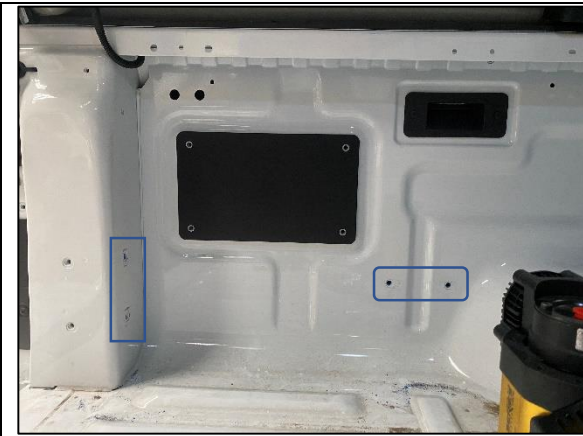
OPTIONAL KIT PARTS- JBA-CB282/283KIT-4A

JBA NEXT GEN RANGER UNDER TUB WITH TOWBAR AIR OUTLET



ITEM	DESCRIPTION	PART NO.	QTY
1	JBA SINGLE TOW PLUG BRACKET	JBA-TB101	1
2	JBA COMPRESSOR BULK HEAD AND NUT	JBA-CB103	1
3	JBA STAINLESS ELBOW 90 DEGREE	JBA-CB106	2
4	JBA STAINLESS HOSE 1600MM	JBA-CB114	1
5	JBA TOWBAR COMPRESSOR CAP	JBA-TB113C	1
6	M4 X 25MM PAN HD PHIL M/T GR 304 S/S	X37 0425PP304	2
7	M4 NYLOC NUT GR 304 S/S	X53 4304	2
8	M4 X 10 WASHER GR 304 S/S	X80 4090.8304	2
9	JBA HOSE GLAND 16MM	JBA-CB191	1

1. PREPARING THE VEHICLE

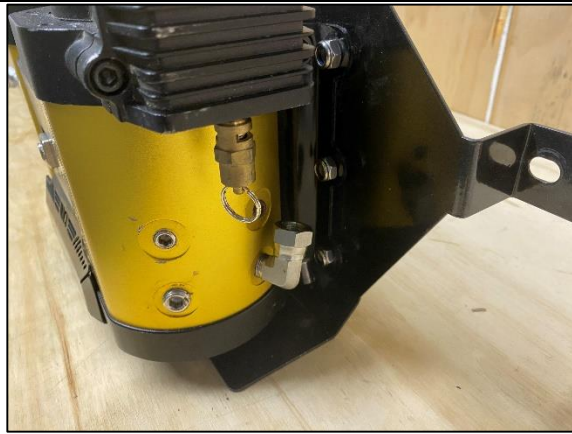


STEP 1.1 REMOVE 2 X TIE DOWNS USING T40 TORQ BIT. THESE BOLTS HAVE LOCTITE SO CAN BE TIGHT TO GET OUT.



STEP 1.2 PLACE BRACKET INTO POSITION AND MARK TWO BOTTOM HOLES AS SHOWN. REMOVE BRACKET AND DRILL HOLES TO 9MM.

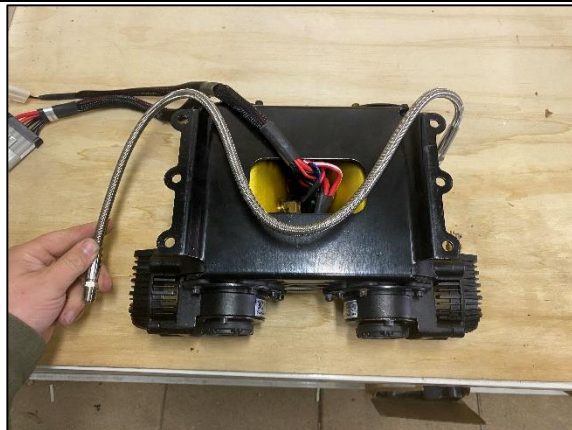
2. PREPARE THE COMPRESSOR



STEP 2.1 IF FITTING KIT 2A/2B OR 4A TO 12V PANEL OR TOWBAR, INSTALL JBA-CB106 90 DEGREE ELBOW ON THE RIGHT HAND SIDE OF THE COMPRESSOR, BOTTOM RIGHT AS SHOWN.



STEP 2.2 IF FITTING KIT 1A/1B OR 3A/3B TO TUB MOUNT BRACKET OR DRAWER FRONT, INSTALL JBA-CB106 90 DEGREE ELBOW ON THE RIGHT HAND SIDE OF THE COMPRESSOR, BOTTOM LEFT AS SHOWN.



STEP 2.3 FOR KITS 1A/1B OR 3A/3B INSTALL THE JBA-CB112 800MM HOSE AND RUN BEHIND THE COMPRESSOR IN A W SHAPE AS SHOWN. FOR ALL OTHER KITS REFER TO STEPS BELOW.



STEP 2.4 FIT THE COMPRESSOR BRACKET WITH **M8 X 16 DOME HEADS AND WASHERS TO THE REAR OF THE BRACKET.** FASTEN ON THE COMPRESSOR SIDE WITH WASHERS AND M8 NYLOC NUT.

3. OPTIONAL STEPS- INSTALLING SWITCH AND AIR OUTLETS FOR COMPRESSOR KITS

REFER TO KIT NUMBER YOU ARE INSTALLING AND USE RELEVANT STEPS REQUIRED

3.1 JBA KIT1A AND 1B INSTALLING SWITCH AND OUTLETS TO TUB MOUNT BRACKET



STEP 3.1.1 INSTALL JBA-CB101B COMPRESSOR HOUSING BRACKET USING M4 X 16 CSK SCREWS, WASHERS AND NYLOC NUT.



STEP 3.1.2 FIT JBA-CB101B HOUSING TO FASCIA PLATE USING M4 X 16 CSK SCREWS. ASSEMBLE JBA-CB103 BULKHEAD WITH NITTO AS SHOWN ENSURING FLAT FACES ARE IN LINE.



STEP 3.1.3 INSTALL ASSEMBLY INTO FASCIA AND FASTEN NUT FROM BEHIND- ENSURE LOCTITE APPLIED TO NUT.



STEP 3.1.4 INSTALL JBA-CB106 90 DEGREE ELBOW FACING DOWN AS SHOWN.

10MM SPACER
VEHICLES WITH
LINER



STEP 3.1.5 INSTALL INTO VEHICLE USING M8 X 20MM. FOR VEHICLES WITH LINER PLACE 10MM SPACER BEHIND BRACKET ON TOP HOLE.



STEP 3.1.6 CONNECTION SHOWN FROM REAR

3.2 JBA KIT2A AND 2B INSTALLING SWITCH AND OUTLETS TO 12V PANEL IN TUB



STEP 3.2.1 REMOVE 12V PANEL FROM VEHICLE AND PLACE ON WORK BENCH. PLACE FASCIA PLATE IN RHS GAP AND MARK OUTER SCREW HOLES AS SHOWN.



STEP 3.2.2 MARK OUT CUTTING TEMPLATE AROUND SCREW LOCATIONS MARKED IN PREVIOUS STEP.



STEP 3.2.3 FLIP PANEL OVER AND CUT OUT SECTION AS SHOWN.



STEP 3.2.4 FIT JBA-CB101B HOUSING TO FASCIA PLATE USING M4 X 16 CSK SCREWS. ASSEMBLE JBA-CB103 BULKHEAD WITH NITTO AS SHOWN ENSURING FLAT FACES ARE IN LINE. INSTALL ASSEMBLY INTO FASCIA AND FASTEN NUT FROM BEHIND- ENSURE LOCTITE APPLIED TO NUT



STEP 3.2.5 FIT JBA-CB106 90 DEGREE ELBOW AS SHOWN FACING SLIGHTLY DOWN ON A 45 DEGREE ANGLE.



STEP 3.2.6 MARK AND DRILL HOLE IN TUB BODY AS SHOWN AND RUST TREAT EXPOSED EDGES. INSTALL CABLE GLAND AND FEED AIR HOSE AND POWER CABLES THROUGH.

3.3 JBA KIT4A INSTALLING OUTLET TO REAR TOWBAR BRACKET



STEP 3.3.1 INSTALL JBA-CB103 BULKHEAD AND NUT TO TOWBAR BRACKET. ENSURE LOCTITE IS APPLIED TO REAR NUT.



STEP 3.3.2 INSTALL JBA-CB106 90 DEGREE ELBOW FACING ON A 45 DEGREE ANGLE AS SHOWN.



STEP 3.3.3 INSTALL BRACKET TO FORD 12PIN PLUG BRACKET. RUN 1600MM HOSE ABOVE PLATE AND CABLE TIE NEATLY ALONG AND FEED UP TO COMPRESSOR.



STEP 3.3.6 MARK AND DRILL HOLE IN TUB BODY AS SHOWN AND RUST TREAT EXPOSED EDGES. INSTALL CABLE GLAND AND FEED AIR HOSE AND POWER CABLES THROUGH.

4. INSTALLING THE BRACKET AND COMPRESSOR INTO THE VEHICLE



STEP 4.1 LIFT COMPRESSOR AND BRACKET INTO PLACE AND INSTALL USING 4 X M8 X 20 DOME HEAD WITH WASHER INTO ORIGINAL TIE DOWN POINTS.



STEP 4.2 INSTALL M8 X 20 DOME HEADS INTO 2 X 9MM HOLES DRILLED IN TUB FLOOR IN STEP 1.2 ABOVE. FASTEN FROM UNDERNEATH VEHICLE USING 10-CB282FMP FLOOR MOUNT PLATE, M8 WASHERS AND NYLOC NUT.



STEP 4.3 CONNECT ALL OUTLETS FROM STEPS 3 (IF APPLICABLE AND CONFIGURATION). CYCLE THE COMPRESSOR AND CHECK FOR ANY AIR LEAKS. FINALISE ALL STEPS FOR THE RELEVANT AIR/SWITCH OUTLETS, CABLE TIE ANY LOOMS/HOSES NEATLY AND WIPE DOWN FOR COMPLETION.