

PRODUCT- TJM SINGLE COMPRESSOR MOUNTING BRACKET

VEHICLE- 100 SERIES LANDCRUISER 1998-2007

PART NUMBER- JBA-CB210, JBA-CB210KIT2, KIT3

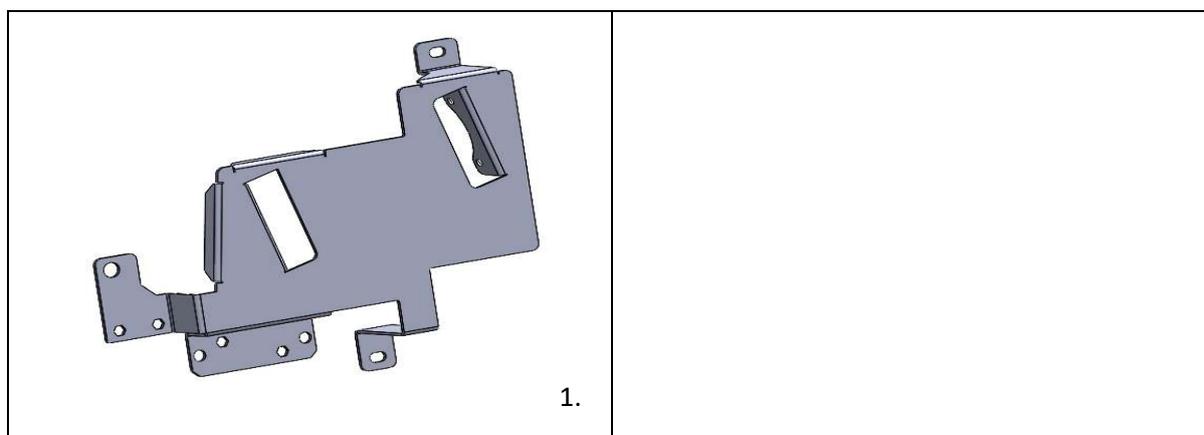
ESTIMATED FIT TIME

- REMOVAL AND REFITMENT OF SEAT AND INTERIOR PANELS 45 MINS
- REMOVAL OF DRAWER SYSTEM (IF REQUIRED) 60-90 MINS
- PREPERATION AND MOUNTING OF COMPRESSOR AND BRACKET 60 MINS
- ELECTRICAL WIRING AND PLUMBING OF AIR OUTLETS 90-120MINS

IMPORTANT NOTES

- READ INSTRUCTIONS CAREFULLY PRIOR TO FITMENT
- ENSURE 567 THREAD SEALANT IS APPLIED TO ALL AIR THREADS INSTALLED
- ENSURE THAT ALL TRIM CLIPS ARE REMOVED FROM THE VEHICLE WHEN REMOVING PANELS AND RE-INSERTED BACK INTO THE PANELS BEFORE RE-INSTALLATION (SEE STEPS 1.31-1.33).
- REFER TO TJM COMPRESSOR INSTALLATION INSTRUCTIONS FOR WIRING SPECIFICATIONS
- NITTO FITTING USED WITH KITS 2 AND 3 SUPPLIED SEPERATLEY (NOT BY JBA) AVAILABLE THROUGH TJM STORES

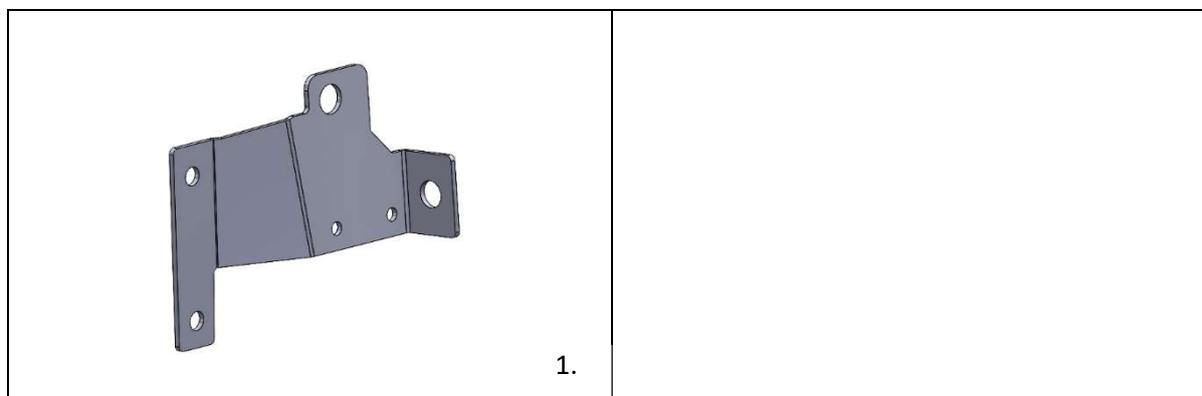
KIT CONTENTS



| ITEM | DESCRIPTION | PART NO. | QTY |
|------|--|----------------|-----|
| 1 | 100 SERIES SINGLE COMPRESSOR BRACKET | 10-CB210A | 1 |
| 3 | M6 x 20MM SEMS ASSEMBLY Z/Y | B48 0620ZY | 2 |
| 5 | M8 X 16MM BUTTON HEAD SOCKET SCREW 304 S/S | X72 08016304 | 4 |
| 6 | 5/16 X 3/4 X 18G FLAT WASHER GR 304 S/S | X79 082018G304 | 8 |
| 7 | M8 NYLON INSERT LOCK NUT GR 304S/S | X53 8304 | 4 |
| 8 | M4 X 12 PAN HEAD PHIL DRIVE 304 S/S | X37 0412PP304 | 2 |
| 9 | M4 X 16 CSK HEAD | X37 0616PP304 | 1 |
| 10 | M4 HEX SERR FLANGE NUT Z/Y | X53 06FLZY | 1 |
| 10 | M5 X 16 SOCKET HEAD CAP SCREW S/S | X70 05012304 | 4 |
| 11 | M5 SPLIT WASHER 304 S/S | X82 05304 | 4 |

OPTIONAL KIT PARTS

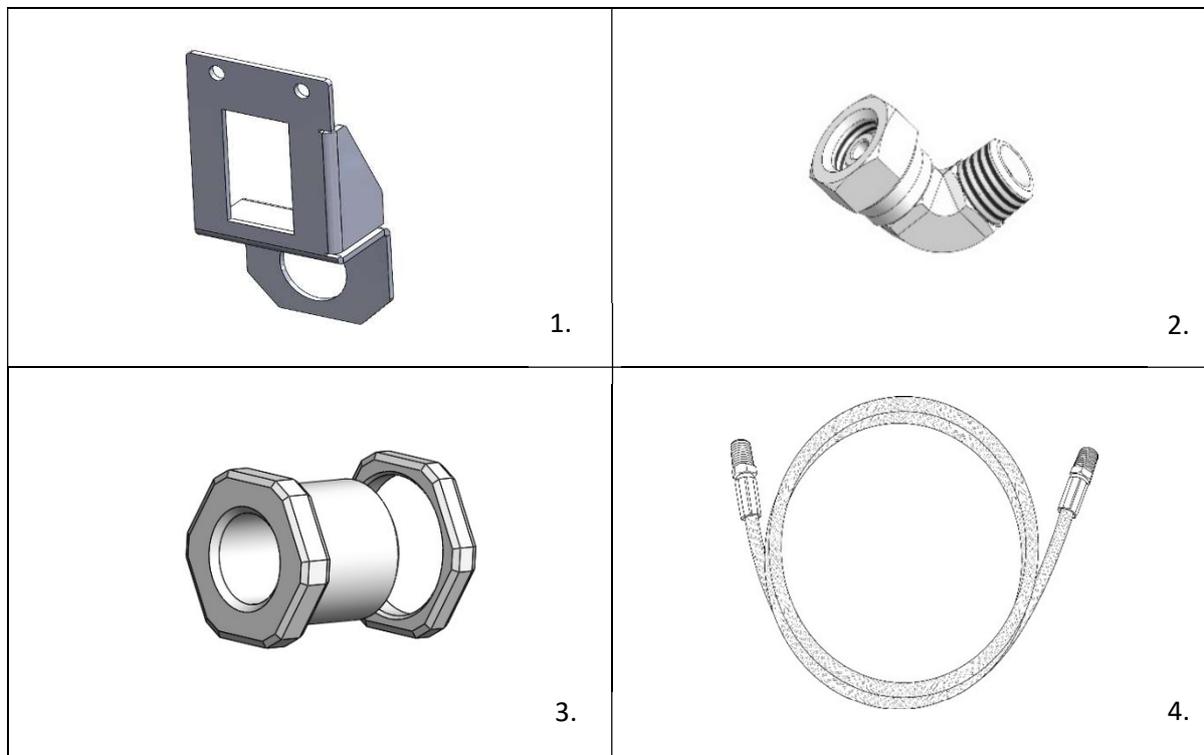
5 SEAT MODEL- JBA ADAPTOR PLATE



| ITEM | DESCRIPTION | PART NO. | QTY |
|------|--|---------------|-----|
| 1 | 100 SERIES BARN DOORS ADAPTOR BRACKET | 10-CB210C | 1 |
| 2 | M6 x 20MM SEMS ASSEMBLY Z/Y | B48 0620ZY | 2 |
| 3 | M6 HEX SERR FLANGE NUT Z/Y | X53 06FLZY | 2 |
| 4 | M6 X 16MM CSK HD PHIL M/T GR 304 S/S | X37 0616CP304 | 1 |
| 5 | M6 FLANGED NYLON INSERT LOCK NUT GR 305S/S | X53 06FL304 | 1 |
| 6 | M4 X 12 PAN HEAD SEMS | X37 0412PP304 | 2 |
| 7 | M10 X 25MM 1.5 SEMS ASSEMBLY ZS | JNS-79 | 1 |
| 8 | M10 X 1.5 NYLON INSERT LOCK NUT | N09 10ZP | 1 |
| 9 | M10 X 22.5 X 2.0 WASHER ZP | W28 10232.0ZP | 1 |

JBA-CB210KIT2

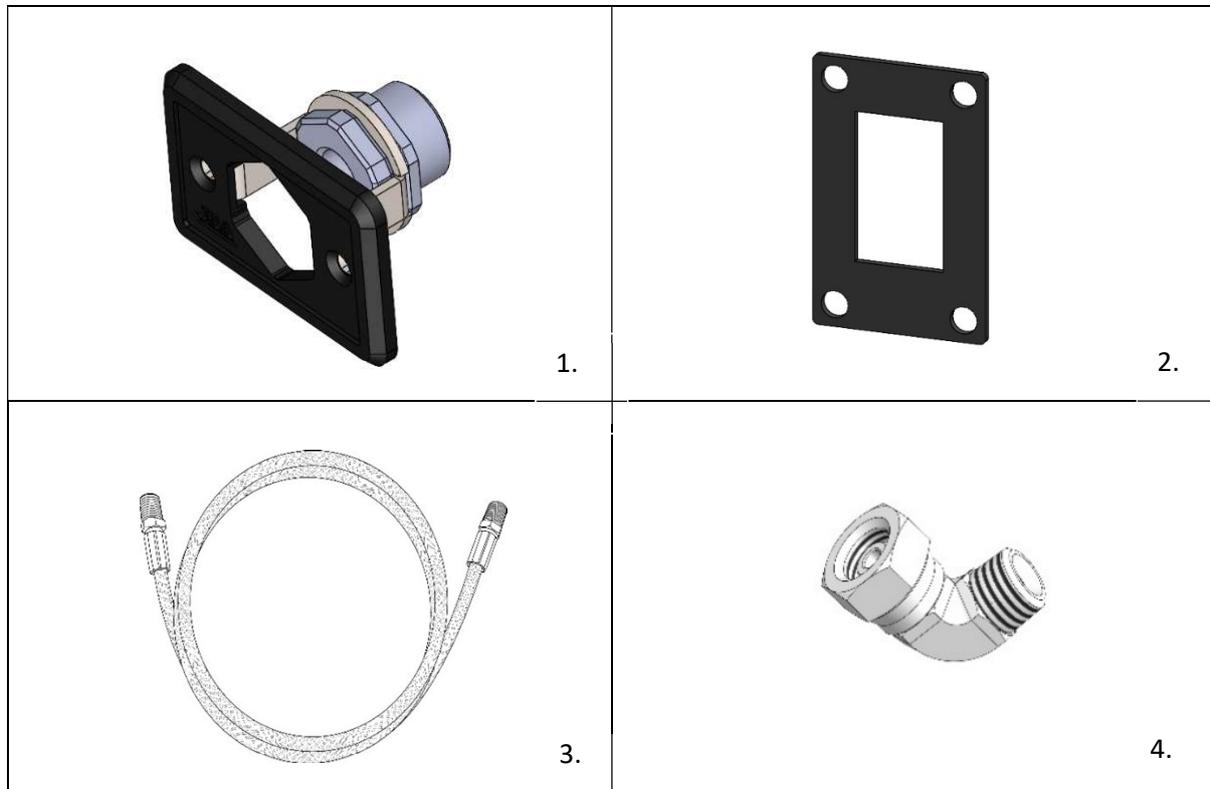
JBA KIT- 100 SINGLE BRACKET WITH QUARTER PANEL AIR OUTLET AND SWITCH MOUNT



| ITEM | DESCRIPTION | PART NO. | QTY |
|------|---|---------------|-----|
| 1 | 100 SERIES QUARTER PANEL AIR/SWITCH BRACKET | 10-CB210-QAS | 1 |
| 2 | JBA STAINLESS ELBOW 90 DEGREE | JBA-CB106 | 2 |
| 3 | JBA STAINLESS STEEL BULK HEAD | JBA-CB103 | 1 |
| 4 | JBA STAINLESS HOSE 400MM | JBA0CB111 | 1 |
| 5 | M4 X 12 PAN HEAD SEMS | X37 0412PP304 | 2 |

JBA-CB210KIT3

JBA KIT- JBA KIT- 100 SINGLE BRACKET WITH DRAWER FRONT AIR OUTLET AND SWITCH MOUNT



| ITEM | DESCRIPTION | PART NO. | QTY |
|------|----------------------------------|-----------|-----|
| 1 | JBA BULK HEAD RECESSED FIT PANEL | JBA-CB101 | 1 |
| 2 | JBA SWITCH MOUNTING PLATE | JBA-CB901 | 1 |
| 3 | JBA STAINLESS HOSE 1200MM | JBA-CB113 | 1 |
| 4 | JBA STAINLESS ELBOW 90 DEGREE | JBA-CB106 | 2 |

1. PREPARING THE VEHICLE



STEP 1.1 START AT THE REAR PASSENGER SIDE DOOR AND FOLD THE PASSENGER SECOND ROW OF SEATS FORWARD AS SHOWN.



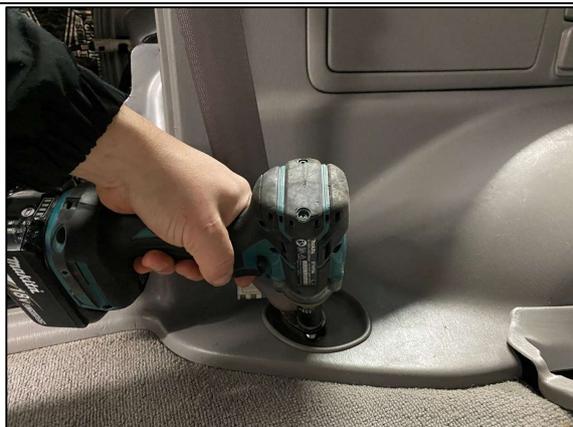
STEP 1.2 REMOVE PLASTIC TRIM LEVERING UP FROM BODY CLIPS AS SHOWN.



STEP 1.3 REMOVE THE SECOND ROW SEAT BELT USING 14MM SOCKET. START PULLING BACK THE FRONT SECTION OF THE TRIM AS SHOWN.



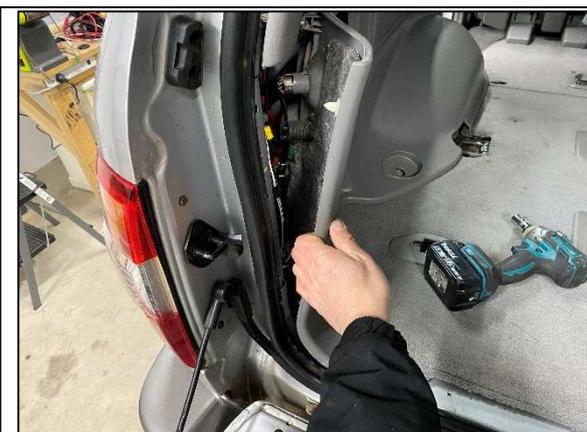
STEP 1.4 MOVE TO REAR OF THE VEHICLE AND REMOVE THE REAR TRIM FLAP.



STEP 1.5 REMOVE THE SEAT BELT USING 14MM SOCKET.



STEP 1.6 REMOVE THE SEAT RETAINER COVER PLATE BY REMOVING THE SMALL SCREW AND LIFTING AS SHOWN.



STEP 1.7 BEGIN PULLING THE REAR TRIM BACK POPPING THE CLIPS AS SHOWN.



STEP 1.8 DISCONNECT THE POWER WIRE PRESSING IN THE CLIP ON THE TOP OF THE PLUG AND PULLING.



STEP 1.9 PULL THE REAR QUARTER PANEL ALL THE WAY BACK AS SHOWN AND SET ASIDE ON A SOFT SURFACE.



STEP 1.10 MARK FROM THE REAR OF THE QUARTER PANEL OPENING 120MM X 50MM AS SHOWN.



STEP 1.11 TRIM THE 10MM LIP AS SHOWN.

REFERENCE PICS FOR TRIM CLIPS



STEP 1.12 REFERENCE PICS FOR TRIM CLIP (EXAMPLE ONLY). AS YOU ARE REMOVING PANELS, KEEP NOTICE OF ANY CLIPS THAT HAVE REMAINED IN THE VEHICLE- NORMALLY WHITE OR GREEN AS SHOWN.



STEP 1.13 USE A TRIM CLIP REMOVER TO POP OUT OF THE VEHICLE AS SHOWN.



STEP 1.14 RE-INSERT INTO THE PLASTIC TRIM PANEL LOCATION. THEY WILL NORMALLY SLIDE IN AND POP INTO POSITION. THESE STEPS WILL ENSURE AN EASIER RE-INSTALLATION OF THE PANELS LATER.

2. PREPARING THE COMPRESSOR AND BRACKET



STEP 2.1 SEPARATE THE COMPRESSOR FROM THE TJM MOUNTING PLATE AS SHOWN.



STEP 2.2 REMOVE THE 2 X SCREWS EITHER END FROM THE FLAT FACE ON THE SAME SIDE AS THE POWER CABLE AND RE-FIT TO THE TOP SIDE WHERE THE MOUNTING PLATE WAS JUST REMOVED.



STEP 2.3 LAY THE COMPRESSOR INTO POSITION IN THE ORIENTATION SHOWN WITH THE POWER CABLE FACING TOWARDS THE COMPRESSOR BRACKET.



STEP 2.4 SCREW THE COMPRESSOR TO THE BRACKET USING M5 X 12 SOCKET HEAD CAP SCREWS WITH SPRING WASHER UNDER THE HEAD.



STEP 2.5 INSTALL TJM PRESSURE SWITCH ON THE TOP SIDE OF THE COMPRESSOR WITH THE MALE CONNECTORS ON THE ANGLE SHOWN.



STEP 2.6 SLIGHTLY BEND THE OUTSIDE TAB IN AS SHOWN.



STEP 2.7 ATTACH THE TJM SUPPLIED FUSE HOLDER USING M4 PAN HEAD SCREWS.



STEP 2.8 RUN POWER WIRES THROUGH THE GROMMETS, HEAT SHRINK AND CONNECT.



STEP 2.9 ATTACH THE TJM RELAY USING M4 X 16 CSK HEAD WITH WHIZZ NUT FROM BEHIND THE BRACKET AS SHOWN.

OPTIONAL STEPS- 100 SERIES BARN DOORS/5 SEAT MODELS



STEP 2.10 ATTACH 10-CB210C ADAPTOR PLATE USING THE M4 X 12 PAN HEAD SEMS ASSEMBLY AS SHOWN



STEP 2.11 FASTEN IN THE SHOWN LOCATION USING M6 X 16 CSK HEAD SCREW WITH M6 FLANGE NYLOC.



STEP 2.12 IN THE FINAL LOCATION, FASTEN USING M10 X 20 SEMS WITH WASHER AND NYLOC FROM BEHIND AS SHOWN.



STEP 2.13 WHEN THE BRACKET IS INSTALLED INTO THE VEHICLE (STEPS 3 BELOW) FOLLOW THESE ADDITIONAL STEPS **FOR BARN DOORS MODEL ONLY**. FIX BRACKET IN PLACE ALIGNING 2 X M6 FASTENERS AND MARK 2 X MOUNTING HOLES FOR DRILLING AS SHOWN.



STEP 2.14 REMOVE BRACKET TEMPORARLIY AND DRILL 2 X MARKED HOLES TO 7MM.



STEP 2.15 REFIT BRACKET AND FASTEN USING 2 X M6 X 20 SEMS AND M6 WHIZZ FROM BEHIND

2.A- OPTIONAL STEP KIT2 FITTINGS FOR QUARTER PANEL INSTALLATION (ENSURE 567 THREAD SEALANT USED ON ALL JOINS)



STEP 2A.1 INSTALL JBA-CB103 BULKHEAD AND NUT TO THE 10-CB210QAS BRACKET AS SHOWN.



STEP 2A.2 INSTALL THE JBA-CB106 90 DEGREE ELBOW AS SHOWN FACING 45 DEGREES AS FACING FROM THE REAR.



STEP 2A.3 INSTALL THE SWITCH AND JBA-CB111 400MM HOSE AS SHOWN.



STEP 2A.4 ATTACH THE SWITCH PANEL BRACKET TO THE COMPRESSOR BRACKET USING 2 X M4 X 12 PAN HEAD SEMS SCREWS.



STEP 2A.5 INSTALL JBA-CB106 90 DEGREE ELBOW INTO THE COMPRESSOR FACING AWAY ON A 45 DEGREE ANGLE AND CONNECT THE JBA-CB111 400MM HOSE AS SHOWN.



STEP 2A.6 CONNECT THE TJM COMPRESSOR WIRING LOOM TO THE PRESSURE SWITCH AND MAIN POWER AS SHOWN.

2.B- OPTIONAL STEPS **KIT3** FITTINGS FOR DRAWER FRONT INSTALLATION (ENSURE 567 THREAD SEALANT USED ON ALL JOINS)



STEP 2.3 STEP 2B.1 INSTALL JBA-CB106 90 DEGREE ELBOW ON THE TOP SIDE (NON MOTOR) AS SHOWN AND CONNECT JBA-CB113 1200MM HOSE.



STEP 2B.1 ONCE BRACKET IS INSTALLED INTO CAR (STEPS 3.1-3.4 BELOW) RUN HOSE OUT FROM QUARTER PANEL AS SHOWN.



STEP 2B.3 INSTALL JBA-CB901 SWITCH PLATE AND JBA-CB101 BULKHEAD FASCIA ON TO DRAWER FRONT AS SHOWN REFERRING TO INDIVIDUAL PARTS SEPARATE INSTRUCTIONS. BEFORE DRILLING JBA-CB101 INTO POSITION, CHECK THE DISTANCE BETWEEN DRAWER FRONT AND TAILGATE TO ENSURE CLEARANCE (30MM CLEARANCE IS NEEDED).

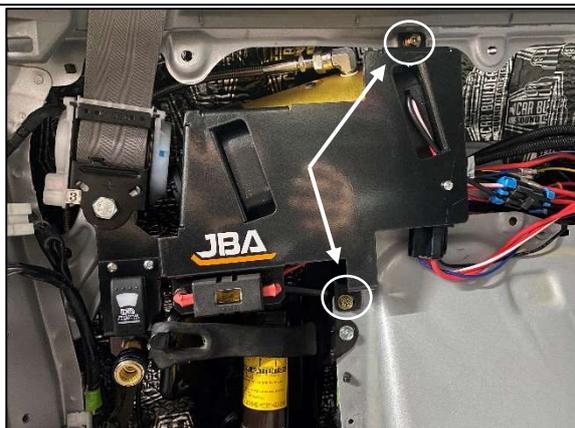
3. INSTALLING THE BRACKET AND COMPRESSOR INTO THE VEHICLE



STEP 3.1 FOR 7 SEAT MODELS, REMOVE THE SEAT BELT ASSEMBLY. IF FITTING 5 SEAT MODEL, FOLLOW STEPS 2.13-2.15 ABOVE.



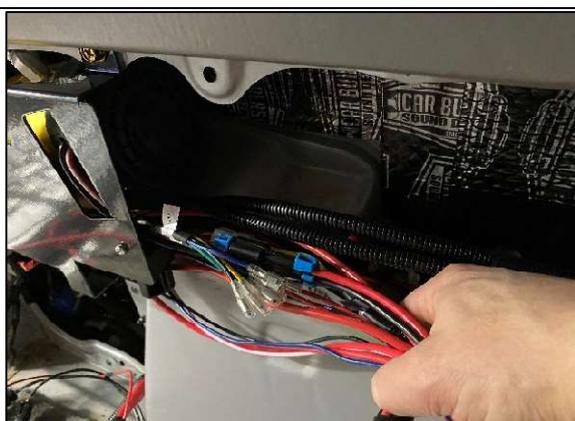
STEP 3.2 LINE BRACKET UP IN VEHICLE AND BEFORE INSTALLING THE BOTTOM RIGHT FASTENER, BUNCH ALL WIRING AND CABLE TIE UP BEHIND THE BRACKET AS SHOWN.



STEP 3.3 FASTEN THE TOP AND BOTTOM RIGHT SCREWS USING M6 SEMS ASSEMBLY



STEP 3.4 RE-INSTALL 14MM FASTENER ON SEAT BELT ASSEMBLY AS SHOWN FOR 7 SEAT MODELS. **IF FITTING 5 SEAT MODEL**, FOLLOW STEPS 2.13-2.15 ABOVE.



STEP 3.5 NEATLY CABLE TIE AND RUN WIRING LOOM ALONG WHEEL ARCH AND TOWARDS FRONT OF VEHICLE AS SHOWN.

ONCE THESE STEPS ARE COMPLETED

- FULLY TIGHTEN ALL MOUNTING SCREWS.
- COMPLETE ELECTRICAL WIRING AS PER TJM COMPRESSOR INSTRUCTIONS.
- NEATLY CABLE TIE THE LOOM AND HOSES
- TEST COMPRESSOR AND CHECK FOR ANY LEAKS.

RE-ASSEMBLE VEHICLE AND WIPE DOWN.