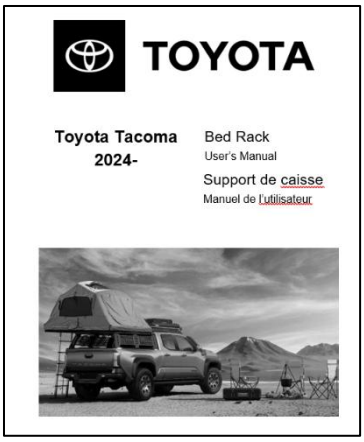
Part Numbers:

Bed Rack
PT989-35241 (5 Ft)
PT989-35242 (6 Ft)
Molle Panel Kit
PT989-35248 (5 Ft)
PT989-35249 (6 Ft)
Heavy Duty Kit
PT989-3524C (5 Ft)
PT989-3524D (6 Ft)

NOTE: Vehicle card information providing load capacity is at the end of the instructions past the checklist.



Kit Contents (Standard Items)

Item #	Quantity Reqd.	Service Part #	Description
1	1	N/A	Rack Top
2	1	N/A	Customer Care Card
3	1	N/A	RH Fr Mount Post
4	1	N/A	LH Fr Mount Post
5	1	N/A	RH Middle Mount Post
6	1	N/A	LH Middle Mount Post
7	1	N/A	RH Rr Mount Post
8	1	N/A	LH Rr Mount Post
9	1	PT989-35241-HK	General Hardware Kit (6178084)
10	1		Reinforcement Hardware Kit (6178165)
11	1	N/A	RH Y-Brace
12	1	N/A	LH Y-Brace
13	1	N/A	RH L-Brace
14	1	N/A	LH L-Brace
15	2	N/A	RCL Reinforcement
16	1	N/A	CHMSL Kit

Hardware Bag 6178084 Contents (General)

Item #	Quantity Reqd.	Description
1	4	Deck T Slot Nut (3)
2	26	M8x1.25x25 Bolt (Blue Patch)
3	40	M8x25x3 Washer
4	14	M8x1.25x20 Bolt (Yellow Patch)
5	8	Rack T Slot Nut (2)
6	4	Rack T Slot Nut (3)

Hardware Bag 6178165 Contents (Reinforcement)

Item #	Quantity Reqd.	Description
1	2	Collar
2	2	Deck T Slot Nut (3)
3	8	M8x1.25x25 Bolt (Blue Patch)
4	6	M8x25x3 Washer
5	4	M8x1.25x35 Bolt (Blue Patch)
6	6	M8x19x2 Washer
7	2	SAE 7/16”-20 Bolt
8	2	M10x25x3 Washer
9	4	M6x1.0x35 Bolt (Blue Patch)
10	4	M6x16x1.2 Washer

CHMSL Kit Contents

Item #	Quantity Reqd.	Service Part #	Description
1	2	90149-50039	CHMSL Bolts
2	1	PT948-35250-AA PT948-35250-AB	CHMSL Wiring Harness Kit
3	2	90467-A0045	RCL Guide (Green)
4	2	90467-A0046	RCL Guide (Pink)
5	1	81570-48080	CHMSL

Kit Contents (Molle Panel Kit) [if equipped]

Item #	Quantity Reqd.	Service Part #	Description
1	2	N/A	Fr Molle Panel
2	2	N/A	Rr Molle Panel
3	1	N/A	Molle Panel Hardware Kit

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Molle Panel Hardware Kit Contents [if equipped]

Item #	Quantity Reqd.	Description
1	16	M8x1.25x20 Bolt (Yellow Patch)
2	16	M8x19x2 Washer
3	16	M8x1.25 Flange Nut

Kit Contents (Heavy Duty Kit) [if equipped]

Item #	Quantity Reqd.	Service Part #	Description
1	1	N/A	HD Bar
2	1	N/A	RH HD Mount Bracket
3	1	N/A	LH HD Mount Bracket
4	2	N/A	HD Deck Mount Nut Plate
5	1	PT989-3524C-HK	Heavy Duty Hardware Kit

Heavy Duty Hardware Kit Contents [if equipped]

Item #	Quantity Reqd.	Description
1	8	M6x1.0x16 Bolt (Yellow Patch)
2	16	M6x16x1.2 Washer
3	8	M6x1.0x20 Bolt (Blue Patch)
4	6	M8x1.25x25 Bolt (Blue Patch)
5	14	M8x19x2 Washer
6	8	M8x1.25x20 Bolt (Yellow Patch)

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1		

Conflicts

Sport Bar, Spray-In Bed Liner, Tonneau Cover (Hard and Soft), Bed Extender, Swing Out Storage Box

Legend

STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.

OPERATOR SAFETY: Use caution to avoid risk of injury.

CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.

REVISION MARK: This mark highlights a change in installation with respect to previous issue.

SAFETY TORQUE: This mark indicates that torque is related to safety.

REGULATORY MARK: This mark indicates the component is related to regulatory compliance

General Applicability

Vehicles with Bed Side Rails and Bed Power Port Pre-Wire

Recommended Sequence of Application

Item #	Accessory
1	*Bed Molle Panels
2	*Bed Rack

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1	2	90467-A0045 Clip (RCL Guide)
2	2	90467-A0046 Clip (RCL Guide)

Recommended Tools

Personal & Vehicle Protection	Notes
Knee pads	
Portable light	
Special Tools	**Notes**
Vehicle Protection	Blankets or Fender covers
Stubby Socket	T40
Deck Protector Drilling IAD	TAC24-0029
HD Bar Deck Drilling IAD [if applicable]	TAC24-0030 TAC24-0031
Installation Tools	**Notes**
Torque wrench	Square drive (0-75 Nm) Open end (0-75 Nm)
Torx sockets	T30, T40, T50, T55
Socket	10mm
Crowfoot sockets	14mm
Wrench (box or open)	12mm, 14mm
Ratchet	
Drive extender	3/8” x ~3”
Screwdriver	Phillips PH3, flathead
Center punch	
Drill	
Drill bits	Step But (up to 1”), 5mm (for pilot holes), 10mm, 12mm
Deburring tool	
Vacuum	
Clip remover	Metal and plastic
Nut runner	
Needle nose pliers	
Snips	
Special Chemicals	**Notes**
Sealant	3M Autobody Sealant

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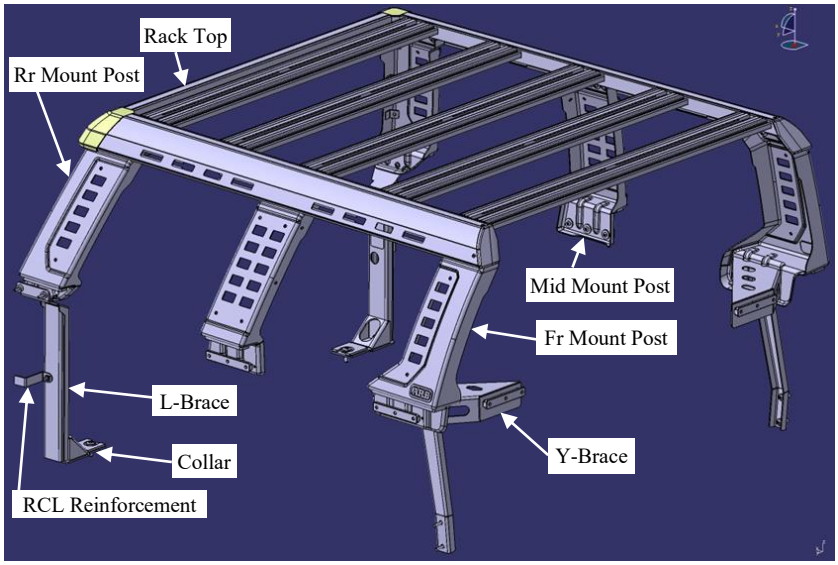
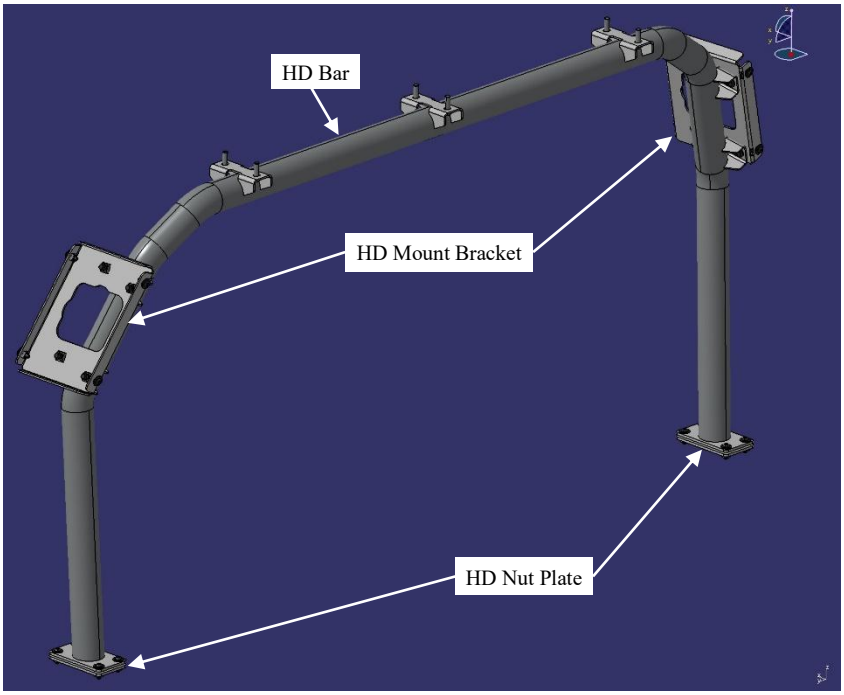
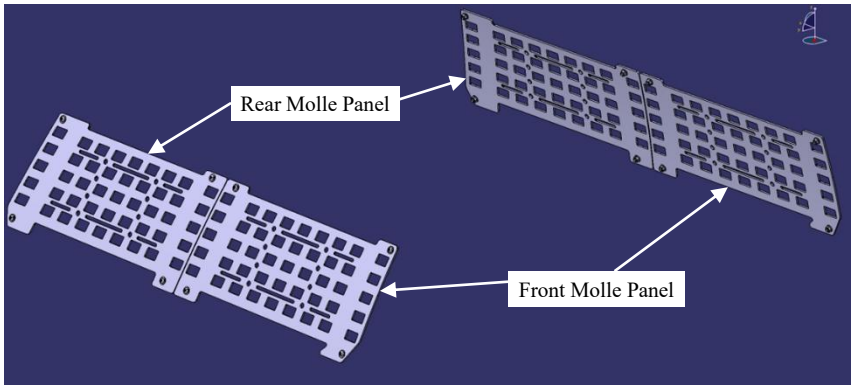


PT989-35241 (Bed Rack - 5 Ft)
PT989-35242 (Bed Rack - 6 Ft)



PT989-3524C (Heavy Duty Kit - 5 Ft)
PT989-3524D (Heavy Duty Kit - 6 Ft)



PT989-35248 (Molle Panel Kit - 5 Ft)
PT989-35249 (Molle Panel Kit - 6 Ft)

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Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.

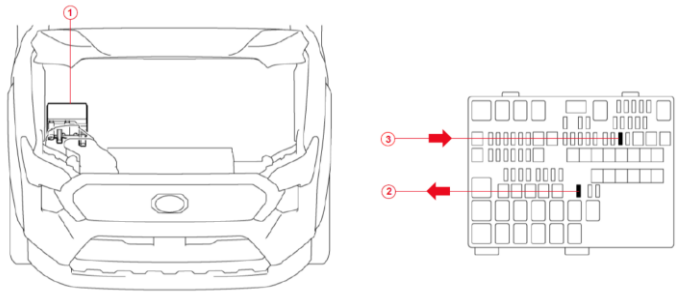

Fig. 1-1

1. For 25MY vehicles equipped with Power Tailgate, install short pin to open/close tailgate. If vehicle is not equipped with Power Tailgate, proceed to Step 2.

(a) To open/close the power tail gate install the short pin

(b) Identify Relay Block/Fuse Panel in engine compartment (1). (Fig. 1-1)

(c) Remove the short pin from home location (2) and insert short pin into designated location (3). (Fig. 1-1)

2. Parts and Vehicle Preparation

(a) Check kit for contents and damage.

(b) Apply vehicle protection to rear portion of cab to protect glass and painted surfaces.

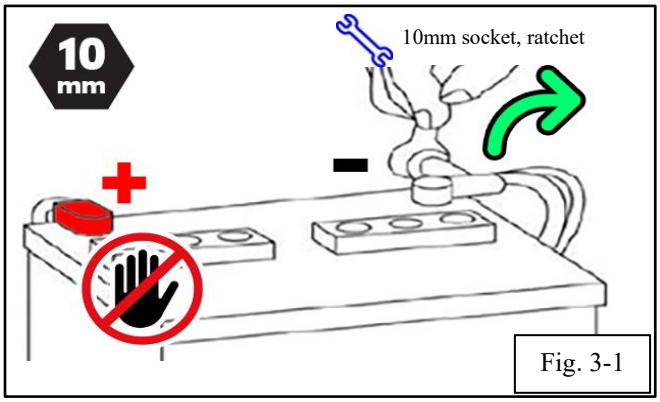

Fig. 3-1

3. Vehicle Attachment Points Preparation

(a) Lower vehicle tailgate

(b) Slide the driver seat to its forward most position.

(c) Disconnect negative terminal on 12V battery using a 10mm socket (Fig. 3-1).

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Fig. 3-2

NOTE: Keep negative cable away from the battery terminal to avoid accidentally reconnecting the 12V power if the cable falls back to its natural shape.

For gas vehicles, the battery is located in the engine compartment.

For hybrid vehicles, the battery is underneath the rear seat. To access, remove the 3 clips and lift up the seat bottom (Fig. 3-2). DO NOT discard these clips, they will be re-installed in a later step.

HINT: Latch the seat belt to hold the seat bottom in place.

(c) Remove bed side rail rear end caps (Fig 3-3).

NOTE: DO NOT discard, these will be re-installed at a later step.

RH shown, repeat for LH side.

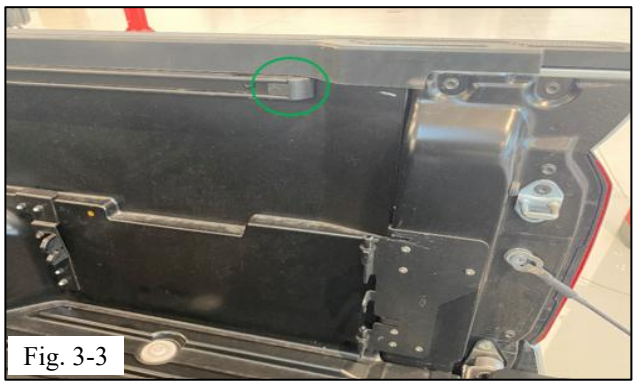
Fig. 3-3

(b) Remove rearmost fastener for bed side rails (Fig. 3-4) using a T30 socket.

NOTE: DO NOT discard, the fasteners will be re-installed at a later step.

RH shown, repeat for LH side.

Do not use power tools as bolt head is easily stripped. Hand tools only.

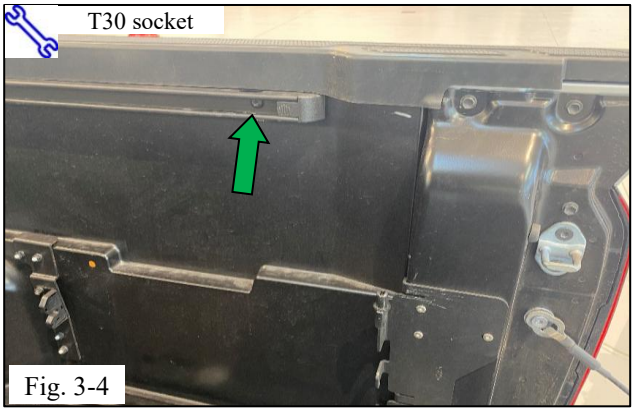

Fig. 3-4

(c) Slide Deck 3-hole T slot nuts into bed side rails (Fig. 3-5). These parts are found in hardware kit 6178084.

NOTE: 2 pieces per side (2 for LH and 2 for RH). Leave T slot nuts near rear portion of bed side rail. These will be slid forward in a later step with locating features included on the parts and vehicle.

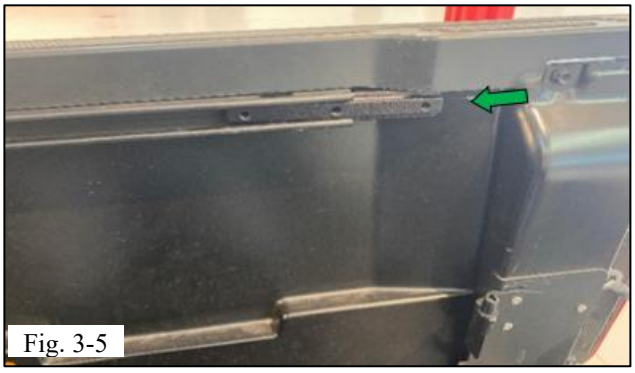
Fig. 3-5

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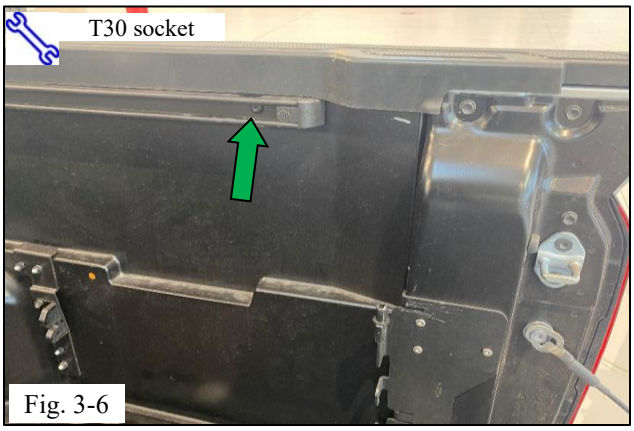

Fig. 3-6

(d) Re-install rearmost fastener for bed side rails using a T30 socket (Fig. 3-6).

Torque: 9 Nm (80 in lb)

NOTE: RH shown, repeat for LH side.

Do not use power tools as bolt head is easily stripped. Hand tools only.

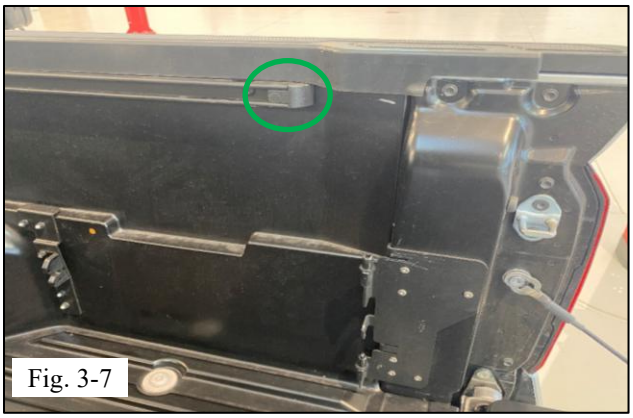
Fig. 3-7

(e) Re-install bed side rail rear end caps as shown in Fig. 3-7.

NOTE: RH shown, repeat for LH side.

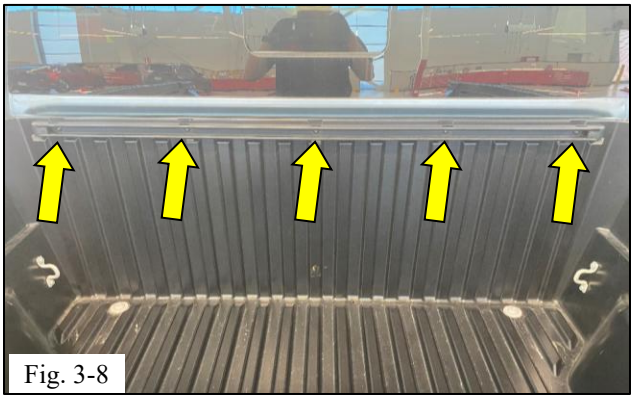
Fig. 3-8

(f) Remove front bed rail (Fig. 3-8) by removing 5 fasteners using a T30 socket.

NOTE: DO NOT discard, these will be re-installed at a later step.

Do not use power tools as bolt head is easily stripped. Hand tools only.

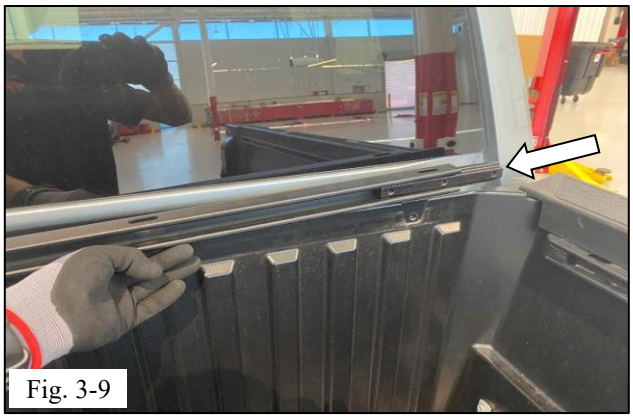
Fig. 3-9

(g) Remove RH end cap from front bed rail and insert 2 Deck 3-hole T slot nuts (Fig. 3-9). This hardware is found in hardware kit 6178165.

(h) Re-install the RH end cap after inserting the T slot nuts.

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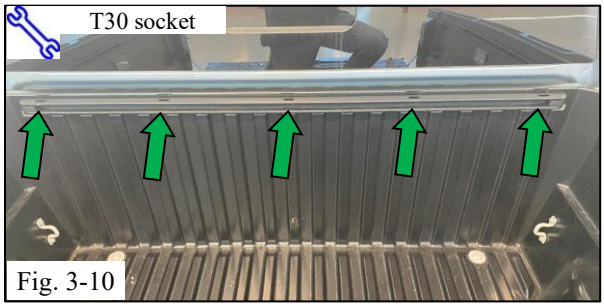

Fig. 3-10

(i) Re-install front bed rail using 5 fasteners previously removed using a T30 socket (Fig. 3-10).

TORQUE: 9 Nm (80 in lb)

NOTE: Do not use power tools as bolt head is easily stripped. Hand tools only.

Center hole is primary part datum. Install this bolt first then work outboard to ensure part fully installs.

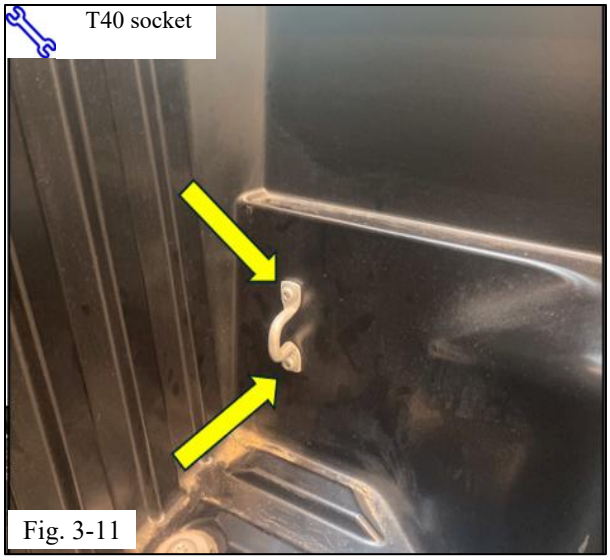

Fig. 3-11

(j) Remove RH front tie down hook by removing 2 fasteners using a T40 socket (Fig. 3-11).

NOTE: DO NOT discard the tie down hook, this will be re-installed at a later step.

Discard the fasteners as they are not reused.

RH shown, repeat for LH side.

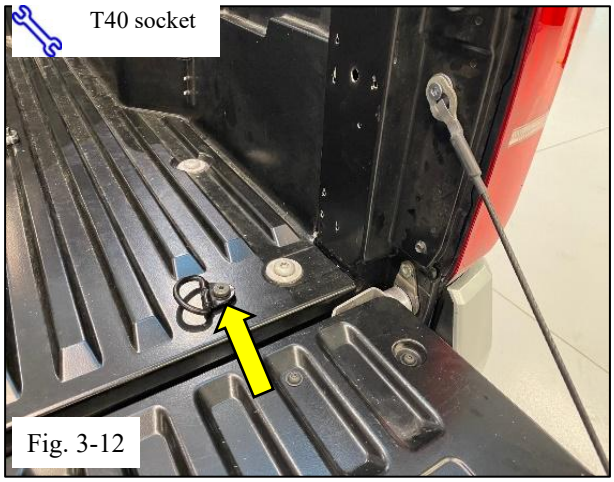

Fig. 3-12

(k) Remove D-ring hook from rear of bed using a T40 socket (Fig. 3-12).

NOTE: Discard these assemblies as they will not be reused.

RH shown, repeat for LH side.

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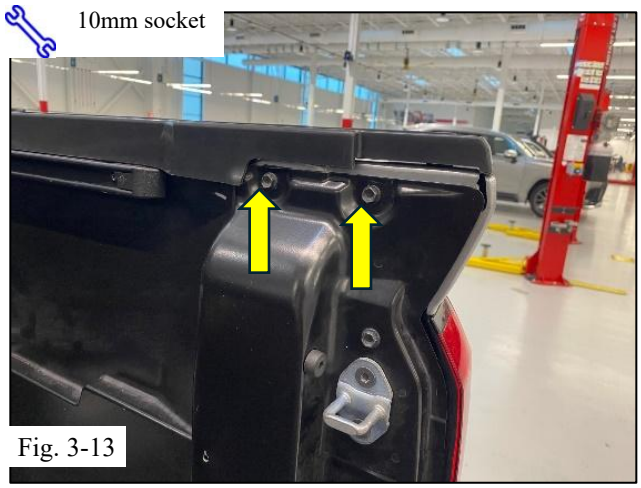

Fig. 3-13

(l) Remove 2 fasteners from RH D-pillar using a 10mm socket (Fig. 3-13).

NOTE: Discard fasteners as they will not be reused.

RH shown, repeat for LH side.

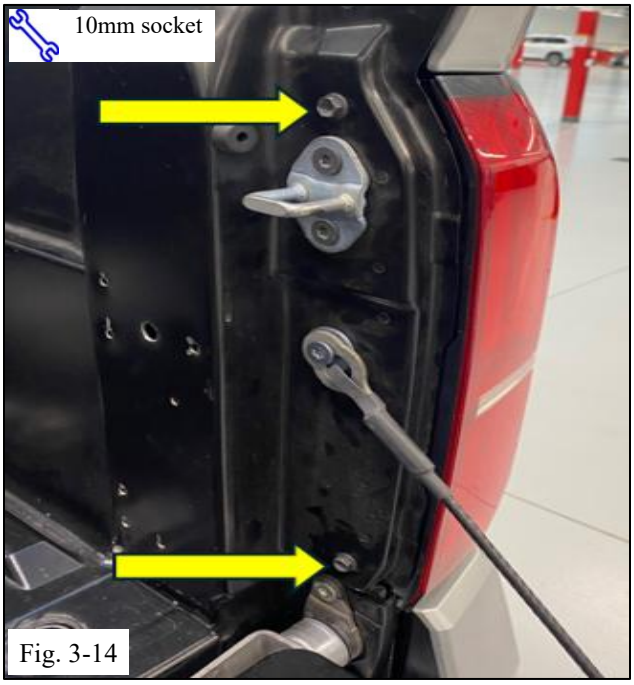

Fig. 3-14

(m) Remove rear combination lamp bolts using a 10mm socket (Fig. 3-14).

NOTE: DO NOT discard fasteners as they will be reused.

RH shown, repeat for LH side.

(n) Apply protective tape around rear combination lamps (Fig. 2-15).

NOTE: RH shown, repeat for LH side.

(o) Pull rear combination lamp outboard to detach from the vehicle (Fig. 3-15). Disconnect the wire harness clip and connector(s) (Fig. 3-16) then set the part aside.

NOTE: Use caution to avoid bending or scratching components.

Carefully place rear combination lamp in a safe space to avoid scratching the lens.

RH shown, repeat for LH side.

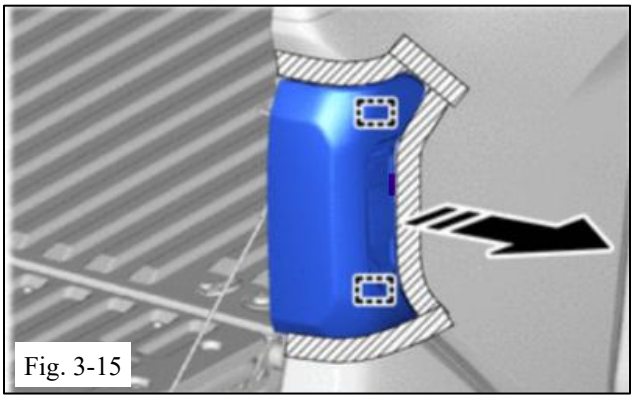
Fig. 3-15

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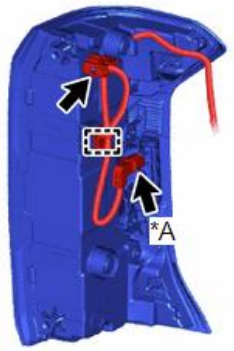

Fig. 3-16

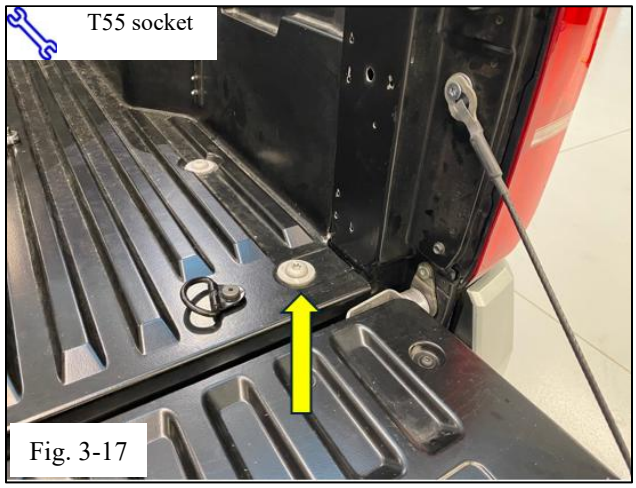

Fig. 3-17

(p) Remove rearmost deck mount fastener using a T55 socket (Fig 3-17).

NOTE: DO NOT Discard fasteners as they will be reused.

RH shown, repeat for LH side.

Fig. 3-18

(q) For PPO installations, use **IAD TAC24-0029** to mark drill location on LH deck top protector (Fig. 3-18). Lay the IAD on the deck top protector, ensuring the aid is flush against the surface of the deck top protector. Use a paint marker through the clearance hole to mark the LH deck top protector.

NOTE: For DIO installations, mark the location on the LH deck top protector as shown in Fig. 3-19.

The positioning can have some variation. The hole is oversized to allow for the wire harness connector to pass through the hole. The wire harness and grommet which pass through the hole are a smaller diameter.

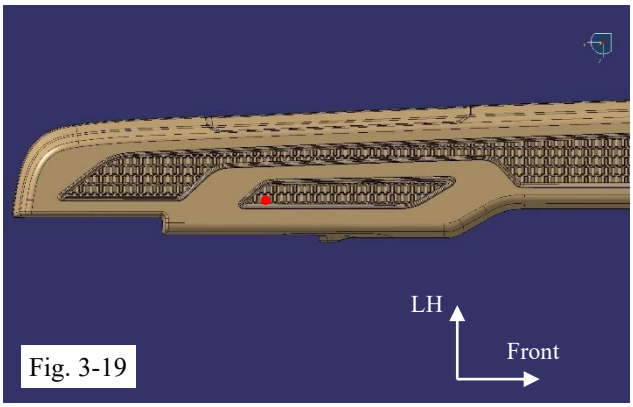

Fig. 3-19

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Fig. 3-20

(r) Detach and lift rear portion of LH deck top protector (Fig. 3-20).

NOTE: Carefully lift part to avoid damaging or breaking the retention clips.

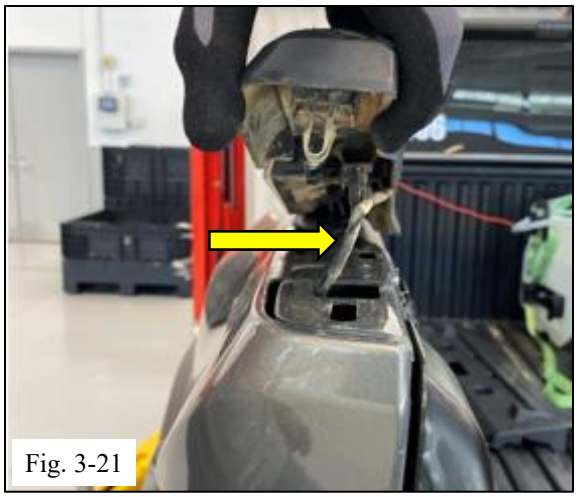

Fig. 3-21

(s) If the vehicle is equipped with Bed Scene Lighting, be sure to move the wire harness away from the drilling area to prevent damage to the wire (Fig. 3-21). Undo the tape and relocate the wire from the path of the drill bit.

Step drill bit
De-burr tool

Fig. 3-22

(t) Drill hole through LH deck top protector centered on the alignment mark using a step bit from the top side of the deck top protector (Fig. 3-22). The step size of **20mm (or 13/16")** is the diameter required to cut through the top surface of the deck top protector to ensure the wire harness connector can pass through the part at a later step. De-burr the hole after drilling is completed.

NOTE: Be sure deck top protector is lifted enough to ensure drill bit does not contact vehicle body (painted metal surface).

Be sure to re-confirm that the Deck Scene Lighting wire harness is outside of the drill area (if equipped).

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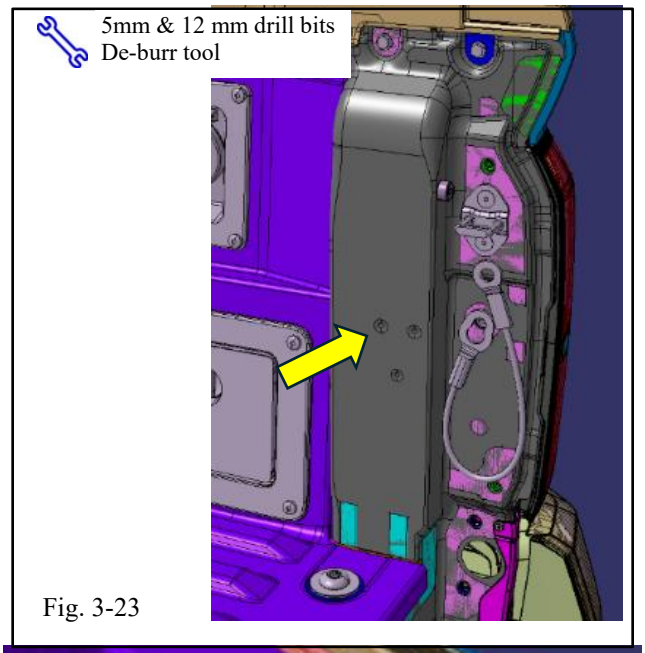

Fig. 3-23

(u) Drill hole through frontmost D-pillar dimple as shown in Fig. 3-23. Use a 5mm drill bit for a pilot hole then drill hole size to 12mm. After completion of drilling, de-burr the hole.

NOTE: RH shown, repeat for LH side

If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed <u>PPO</u>, perform steps 2(w) and 2(x). If Heavy Duty Kit is being installed <u>DIO</u> or not being installed, proceed to step 2(y).

(v) Use HD Bar deck drilling **IAD TAC24-0030/31** to mark the deck at 4 locations each side (Fig. 3-24). Use a center punch at each location to create a point for aligning the drill bit in the next step.

If Heavy Duty Kit is not being installed, skip this step.

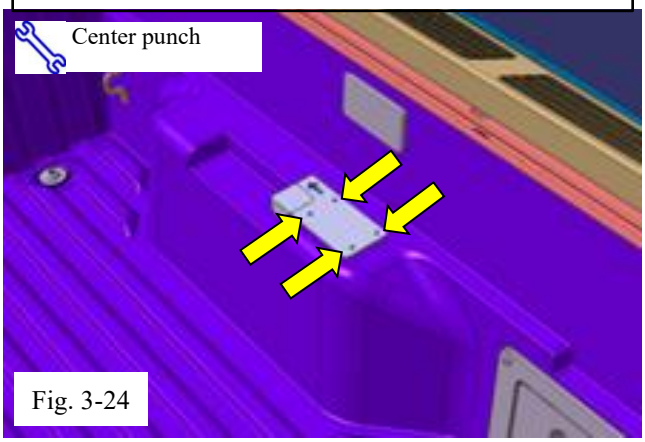

Fig. 3-24

NOTE: RH shown, repeat for LH side.

The arrow on the IAD should face the front of the vehicle.

(w) Drill holes through the bed in the locations marked from previous step. Start with a pilot size of 5mm drill bit. Then use a 10mm drill bit for final hole size. After completion of drilling, de-burr the holes.

NOTE: Use caution when drilling with 10mm bit size. The bed has a risk to fray if not drilled perpendicular with light force.

Total of 8 holes to be drilled, 4 on each side.

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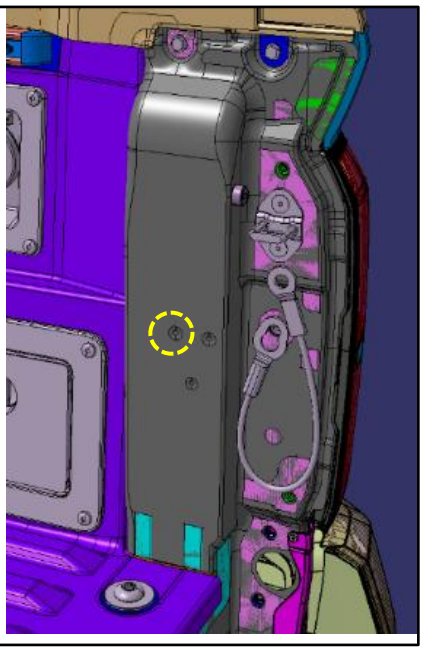

Fig. 3-25

(x) Vacuum out the bed around areas drilled in previous steps to collect and chips and debris.

(y) Apply autobody sealant around the holes drilled in the D-pillar (Fig. 3-25). Be sure to apply on both sides of the panel for full coverage.

NOTE: Ensure sealant is covering all bare metal for corrosion prevention.

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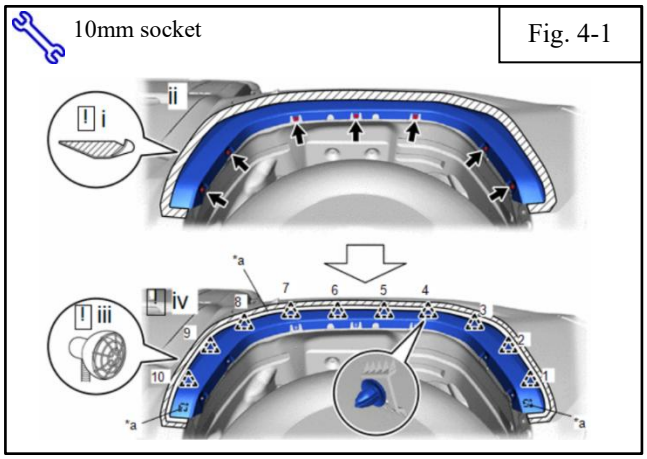

Fig. 4-1

Fig 4-2

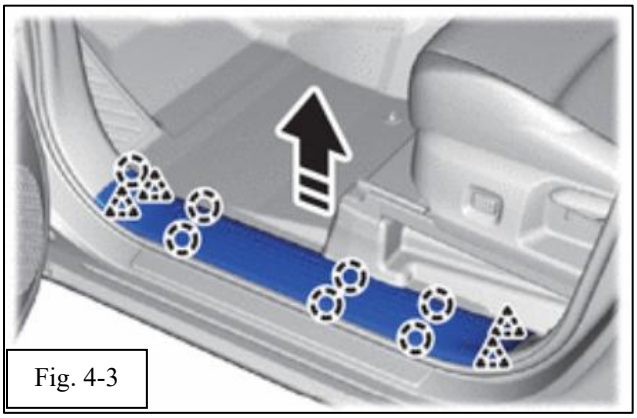
Fig. 4-3

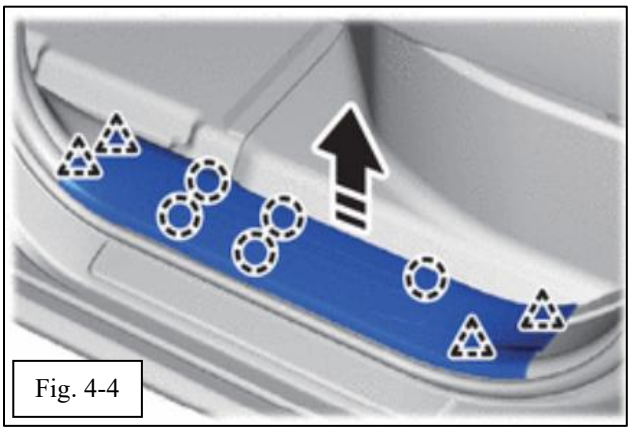
Fig. 4-4

4. CHMSL Front Wire Harness Installation

(a) If equipped, remove the LH rear overfender (Fig. 4-1).
Apply protective tape around the overfender on the quarter panel.
Remove the 7 screws using a 10mm socket.
Heat the adhesive of the overfender using a heat light.

NOTE: Take caution to not over-heat the part.

Detach the clips by starting at the rear of the part and working around towards the front of the vehicle.

(b) Remove the rear LH fender liner using a clip removal tool at 13 locations (Fig. 4-2).

(c) If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed, repeat steps 3(a) and 3(b) for the RH side. If not, proceed to step 3(d).

(d) Remove the LH front door scuff plate (Fig. 4-3).

(e) For Double Cab vehicles, remove the rear LH and RH door scuff plates (Fig. 4-4).

NOTE: LH shown in image.

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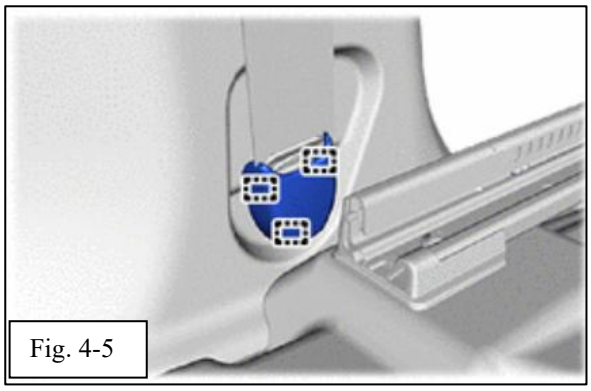
Fig. 4-5

For Double Cab vehicles, complete steps 3(f) through 3(l).

For XtraCab vehicles, complete steps 3(m) through 3(s).

Double CAB

(f) Remove the LH seat belt lower anchor on the B-Pillar (Fig. 4-5).

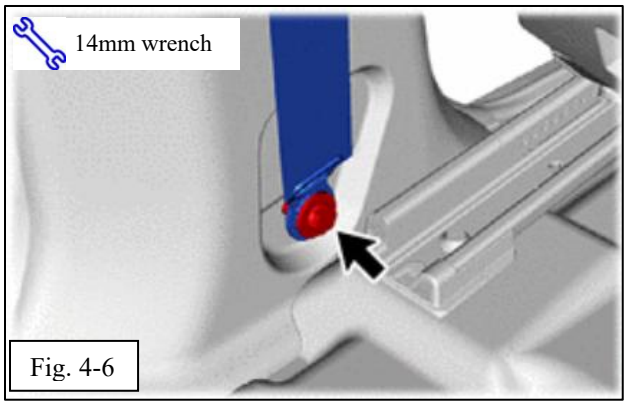

Fig. 4-6

(g) Remove the LH seat belt lower anchor bolt on the B-Pillar using a 14mm wrench (Fig. 4-6).

Fig. 4-7

(h) For Double Cab gas vehicles (non-hybrid), fold up the rear seat bottoms and use the attached clips to secure in place on both sides (Fig. 4-7).

NOTE: LH shown, repeat for RH side.

(i) If necessary, remove any floor mats from the rear floor.

⚠ **NOTE: DO NOT discard, these will be re-installed at a later step.**

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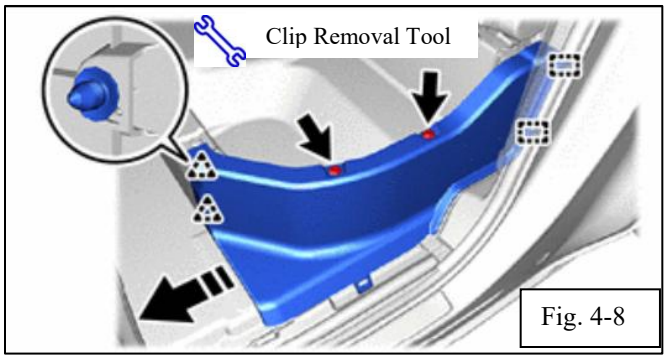

Fig. 4-8

(j) Remove the rear under side covers (Fig. 4-8). Remove the 2 clips using a clip removal tool then pull forward.

NOTE: LH shown, repeat for RH side.

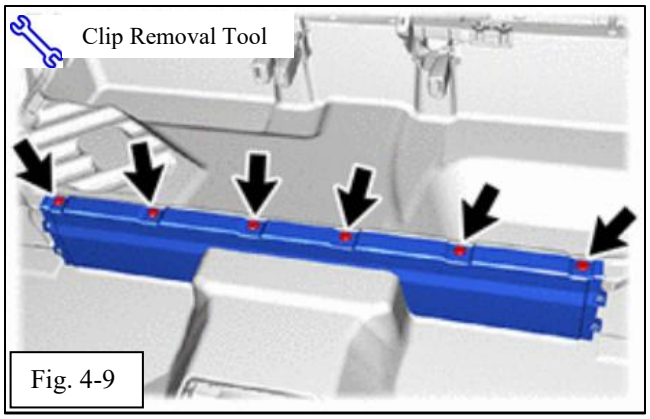

Fig. 4-9

(k) Remove the rear under cover by removing 6 clips with a clip removal tool (Fig. 4-9) then pulling forward (Fig. 4-10).

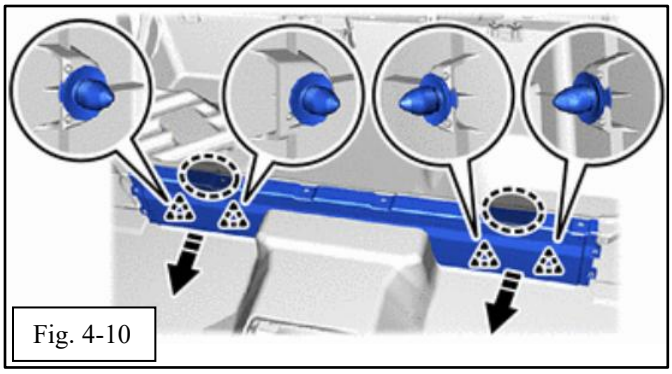
Fig. 4-10

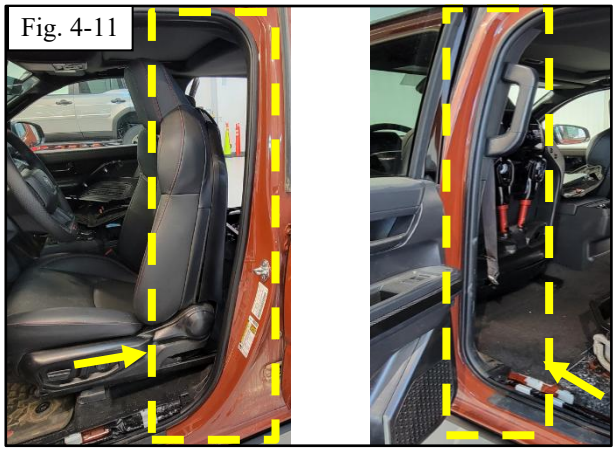
Fig. 4-11

(l) Remove door weatherstrip around the B-Pillar (Fig. 4-11).

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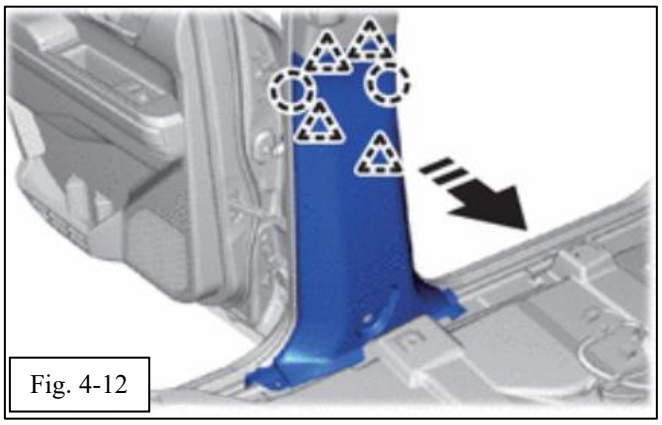
Fig. 4-12

(m) Remove the lower B-Pillar trim panel. Start by detaching the clips from the top edge (Fig. 4-12) then pulling the part upward to detach from the bottom edge (Fig. 4-13).

NOTE: Ensure all clips were removed from the B-Pillar and are attached to the B-Pillar trim panel.

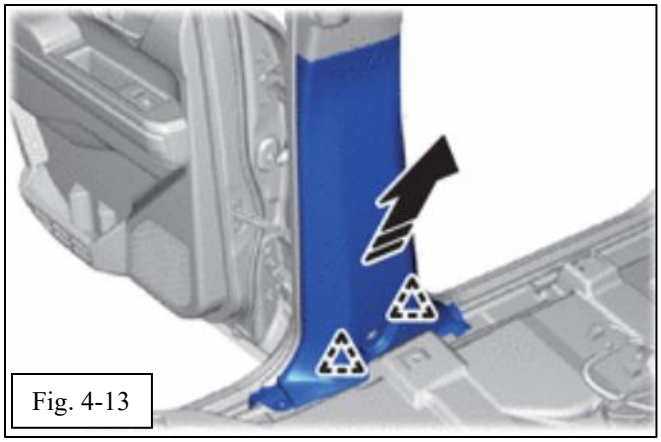
Fig. 4-13

XtraCab

(n) Remove LH side seat belt lower anchor cover (Fig. 4-14).

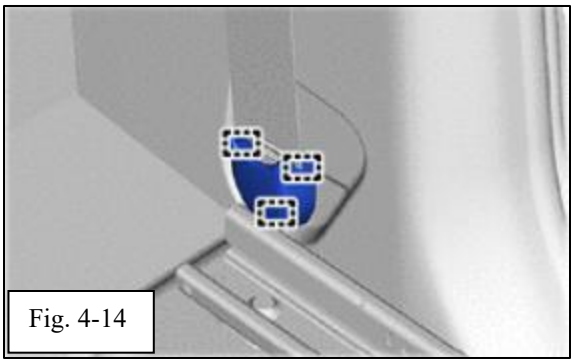
Fig. 4-14

(o) Remove LH side seat belt anchor bolt using a 14mm wrench (Fig. 4-15).

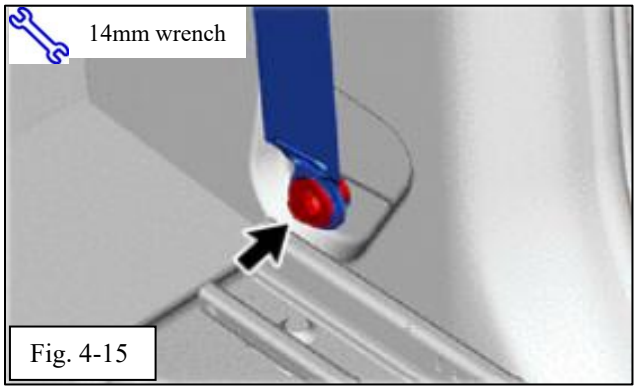

Fig. 4-15

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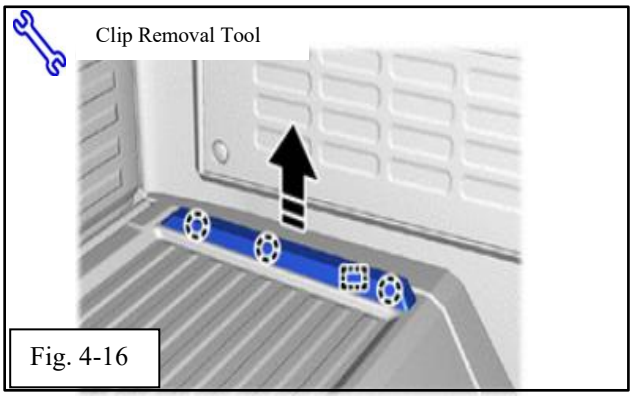

Fig. 4-16

(p) Remove LH back door stopper spacer by using a clip removal tool and pulling upward (Fig. 4-16).

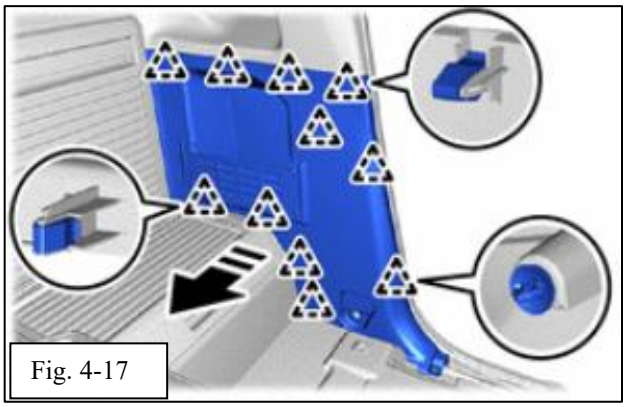
Fig. 4-17

(q) Remove LH lower quarter trim panel. Pull inboard to disengage clips (Fig. 4-17) then side forward to remove (Fig. 4-18)

NOTE: Ensure all clips were removed with the quarter trim panel and not attached to the vehicle body.

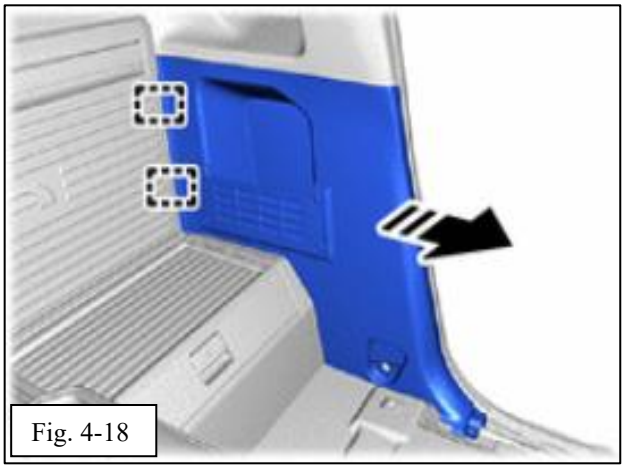
Fig. 4-18

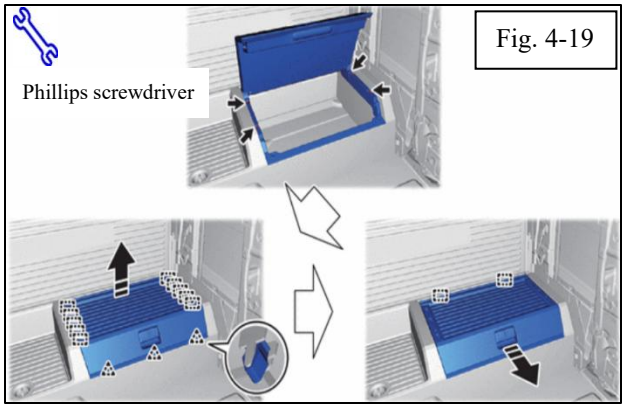

Fig. 4-19

(r) Remove luggage compartment trim cover assembly (Fig. 4-19). Remove the 4 screws with a Phillips screwdriver then pull the cover assembly upward and forward to remove.

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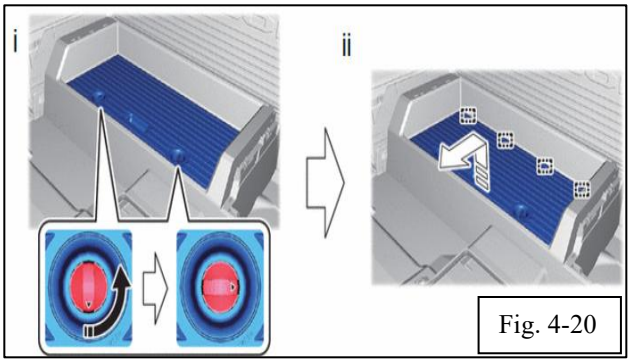

Fig. 4-20

(s) Remove the jack cover (Fig. 4-20). Turn the knobs 90 degrees counterclockwise to unlock then pull the cover upward and forward to remove.

Fig. 4-21

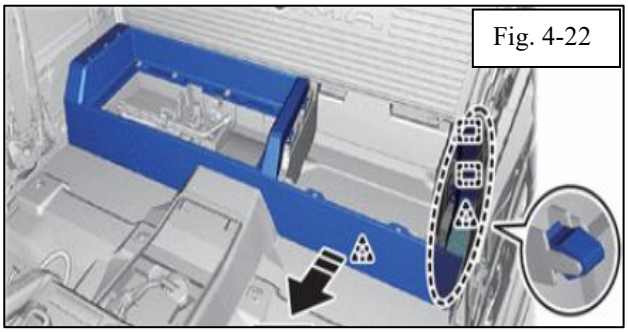
Fig. 4-22

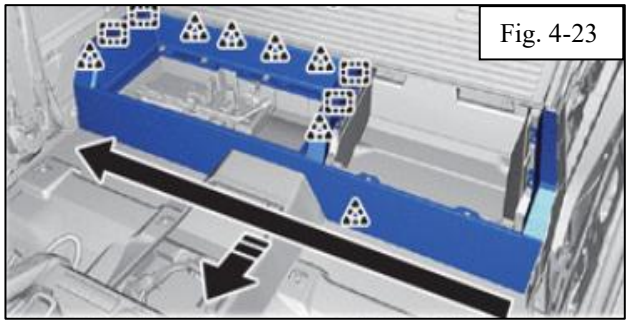
Fig. 4-23

(t) Remove the seat floor box.
Start by removing 9 clips with a clip removal tool (Fig. 4-21).
Then disengage the retaining clips. Start on the driver side by pulling forward (Fig 4-22). Then remove the clips on the passenger side. Start in the center and pull forward. Work toward the passenger side of the cabin until all clips are disengaged (Fig. 4-23). Then remove the panel by moving forward.

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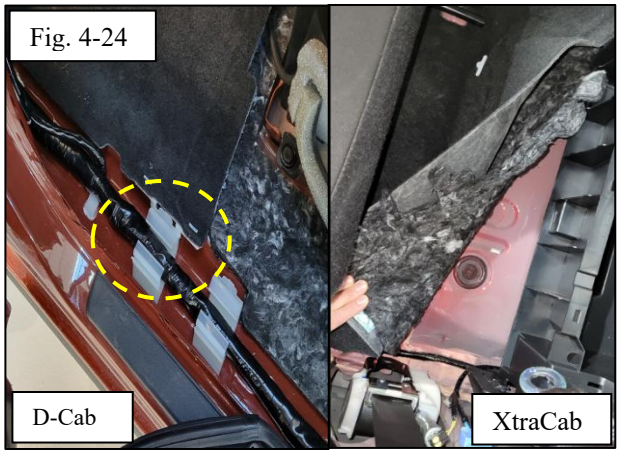
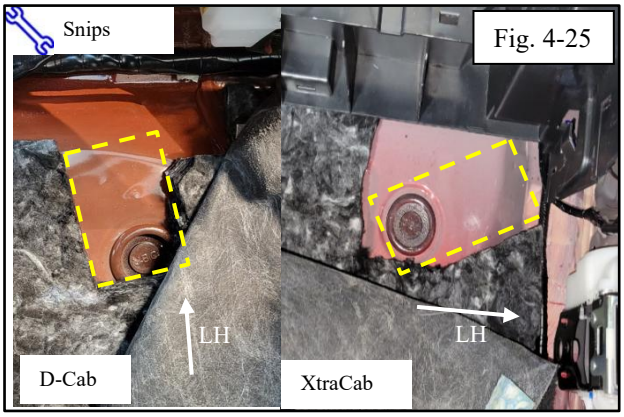
(u) If necessary, remove any floor mats from the rear floor.

NOTE: DO NOT discard, these will be re-installed at a later step.

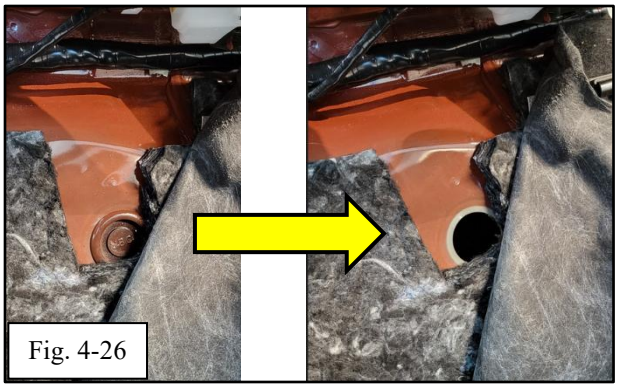


(v) Fold back carpet to expose shoddy pad and grommet (Fig. 4-24).

NOTE: For Double Cab vehicles, disengage the clip securing the carpet.



(w) Use snips to cut away shoddy pad between the floor grommet and LH side of interior (Fig. 4-25). Discard the shoddy pad cutout.



(x) Remove the exposed floor grommet and discard (Fig. 4-26).

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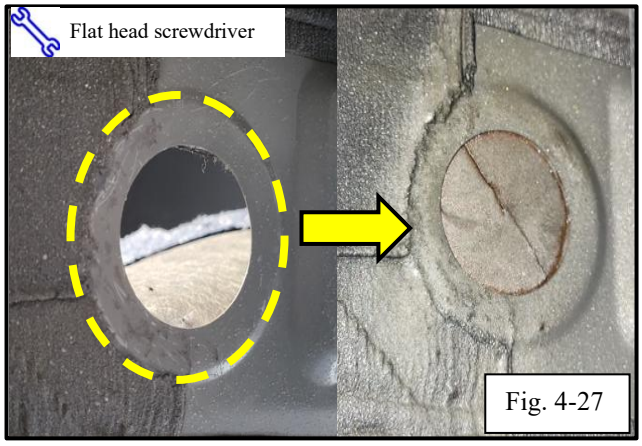

Fig. 4-27

(y) From the underside of the vehicle, carefully remove deadening material on the flat surface surrounding the hole using a flat head screwdriver (Fig. 4-27). This area is shown enclosed by the dashed circle in the image.

(z) Apply rust preventative coating to the area where deadening material was removed in the previous step.

NOTE: Be sure to completely cover all areas of exposed metal and areas where deadening material was removed.

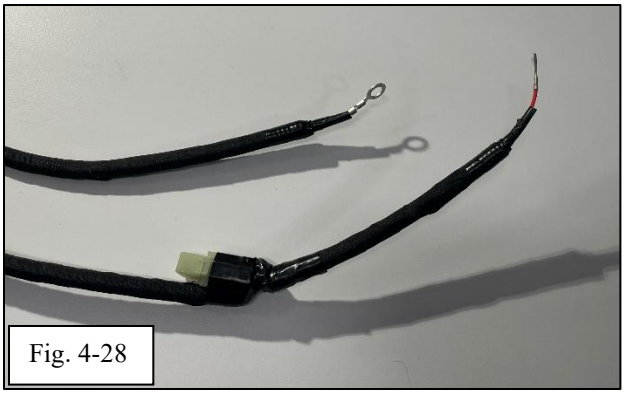
Fig. 4-28

(aa) Insert the CHMSL Front Wire Harness into the cab from underneath the vehicle. The end of the wire with the ground eyelet and pin is the end that should be fed through first (Fig. 4-28).

Fig. 4-29

(ab) Route the wire harness through the hole in the body until the attached floor grommet passes through the body. Install the floor grommet to the hole in the body (Fig. 4-29).

NOTE: Ensure the grommet is fully seated to the body and the hard tubing is seated inside the grommet.

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(ac) Route the wire harness so the hard tubing sits in the shoddy pad cutout area (Fig. 4-30).

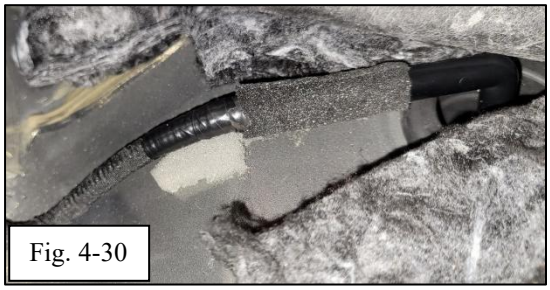

Fig. 4-30

(ad) Locate the No. 25 junction connector (EWD R28) and ground bolt on the B-Pillar for Double Cab vehicles. For XtraCab vehicles, the connectors are on the side pillar with the junction connector rear from the ground bolt. See Fig. 4-31 for images of the connectors in-vehicle.

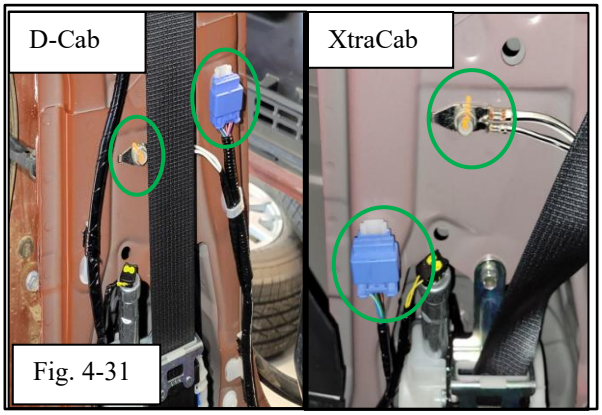

Fig. 4-31

(ae) Disconnect the junction connector and disengage the secondary lock using a flat head screwdriver (Fig. 4-32).

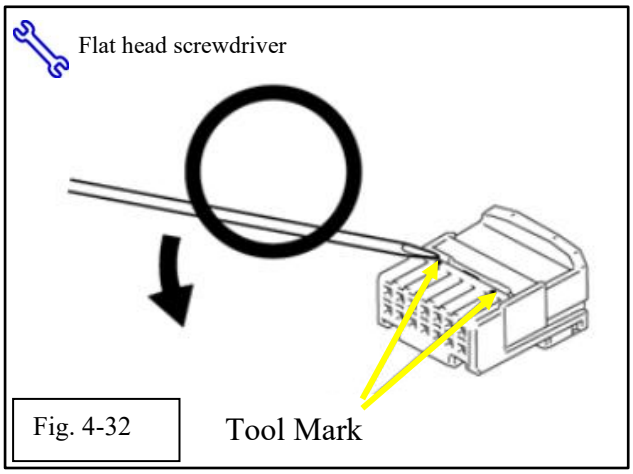

Fig. 4-32

(af) Locate terminal 8 on the junction connector and insert pin on the CHMSL Front Wire Harness into the open location (Fig. 4-33).

NOTE: Ensure the pin is inserted in the correct orientation and perform pull test to confirm pin is fully inserted. Refer to TIS for correct terminal pin and repair procedures.

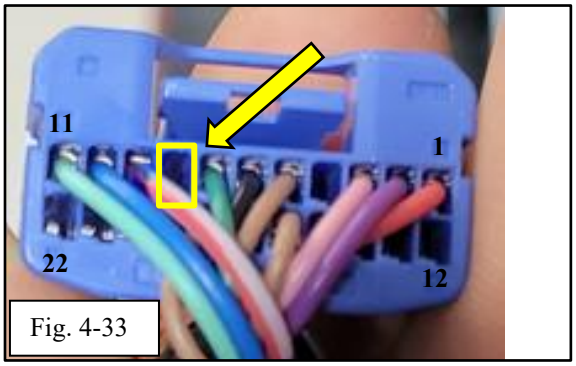

Fig. 4-33

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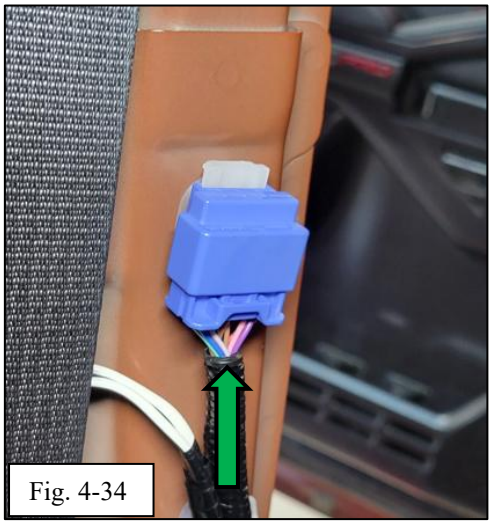
Fig. 4-34

(ag) Re-engage the junction connector secondary lock and reconnect to the vehicle body clip (Fig. 4-34).

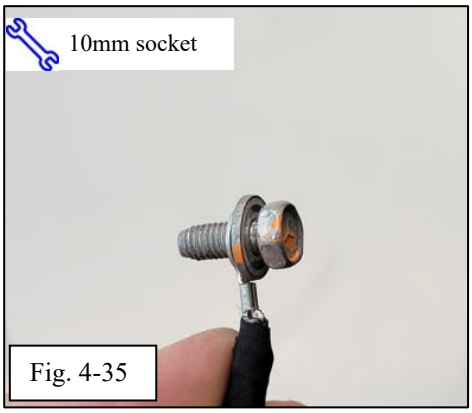

Fig. 4-35

(ah) Remove the ground bolt from the body. Place the CHMSL Front Wire Harness ground eyelet on the ground bolt (Fig. 4-35).

(ai) Re-install the ground bolt to the body using a 10mm socket.

Torque: 10 Nm (89 in lb)

For Double Cab vehicles, complete steps 3(ai) and 3(aj).

For XtraCab vehicles, complete steps 3(ak) and 3(al).

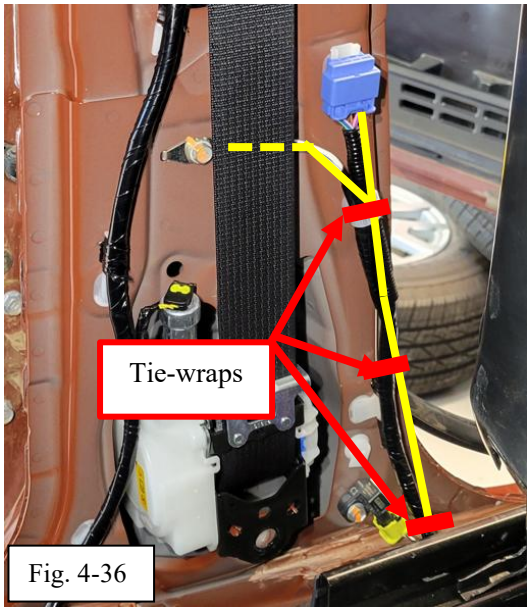

Fig. 4-36

Double Cab

(aj) Secure the CHMSL Front Wire Harness to the B-Pillar wire harness with provided tie wraps approximately every 6 inches (~150mm) (Fig. 4-36).

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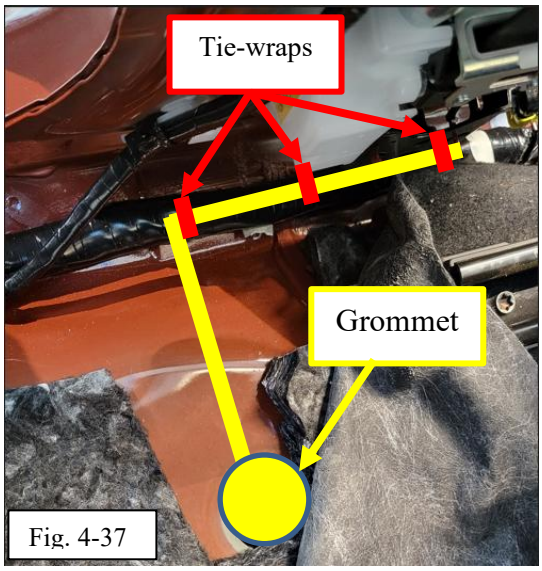

Fig. 4-37

(ak) Continue to bundle and secure the CHMSL Front Wire Harness along the vehicle floor wire harness up to the shoddy pad cutout (Fig. 4-37).

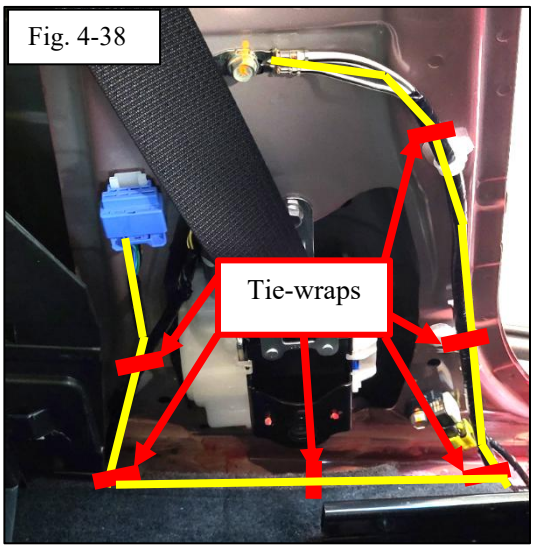

Fig. 4-38

Xtracab

(al) Secure the CHMSL Front Wire Harness to the quarter panel wire harness with provided tie wraps approximately every 6 inches (~150mm) (Fig. 4-38).

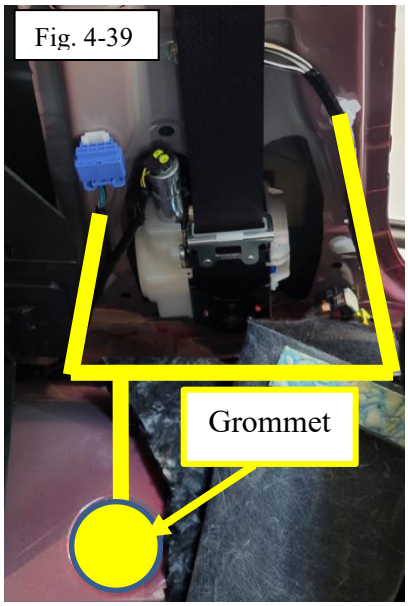

Fig. 4-39

(am) Continue to bundle and secure the CHMSL Front Wire Harness along the vehicle floor wire harness up to the shoddy pad cutout (Fig. 4-39).

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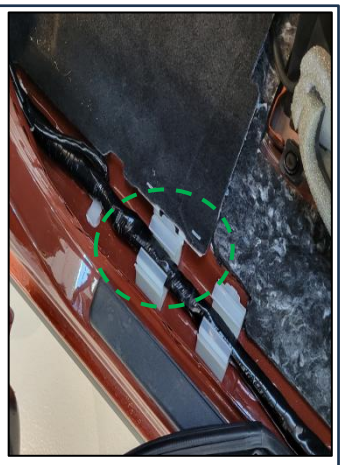

Fig. 4-40

(an) Flatten the floor carpeting back to its original condition.

NOTE: For Double Cab vehicles, re-engage the carpet to the clip (Fig. 4-40).

For Double Cab vehicles, complete steps 3(ao) through 3(av).

For XtraCab vehicles, complete steps 3(aw) through 3(bc).

Double Cab

Fig. 4-41

(ao) Re-install the lower B-Pillar trim panel (Fig. 4-41).

Fig. 4-42

(ap) Re-install the door weatherstrip along the B-Pillar (Fig. 4-42).

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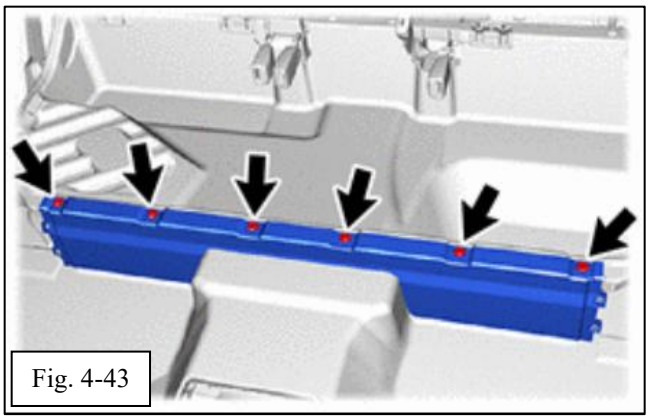
Fig. 4-43

(aq) Re-install the rear under cover with 6 clips (Fig. 4-43).

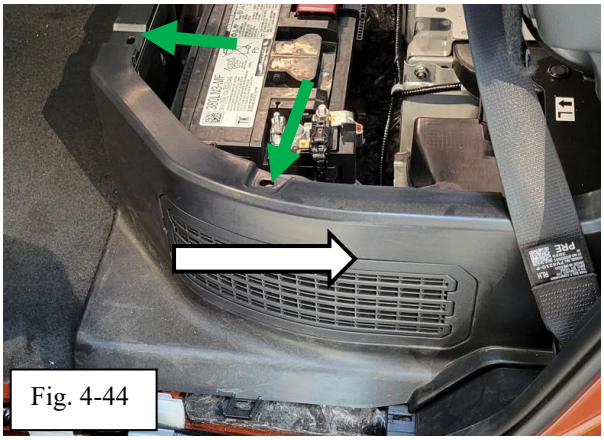
Fig. 4-44

(ar) Re-install the rear under side covers using 2 clips per side (Fig 4-44).

NOTE: LH shown, repeat for RH side.

(as) For gas vehicles, lower the rear seat bottom to its original position.

NOTE: For hybrid vehicles, leave the rear seat bottom up as 12V battery access is required at a later step.

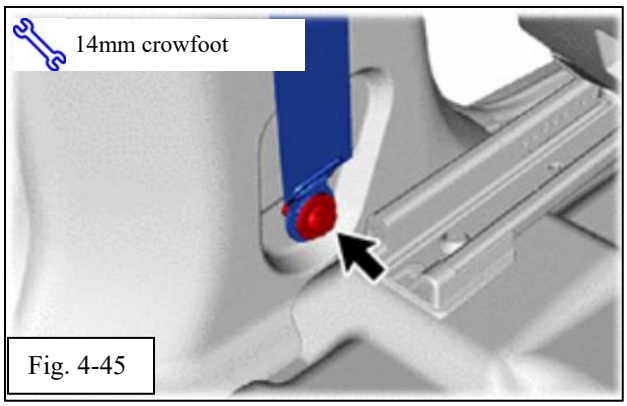

Fig. 4-45

(at) Re-install the LH side seat belt lower anchor bolt on the B-Pillar using a 14mm crowfoot (Fig. 4-45).

S **Torque: 42 Nm (31 ft lb)**

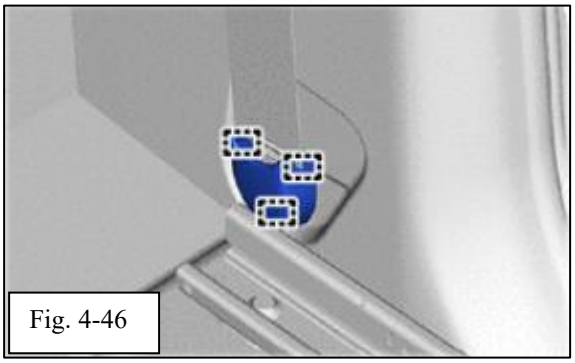
Fig. 4-46

(au) Re-install the LH side seat belt lower anchor cover (Fig. 4-46).

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Fig. 4-47

(av) Re-install the rear door scuff plates (Fig. 4-47).

NOTE: LH shown, repeat for RH side.

XtraCab

(aw) Re-install the seat floor box by sliding the part rearward to engage the clips to the body then install 9 push clips (Fig. 4-48).

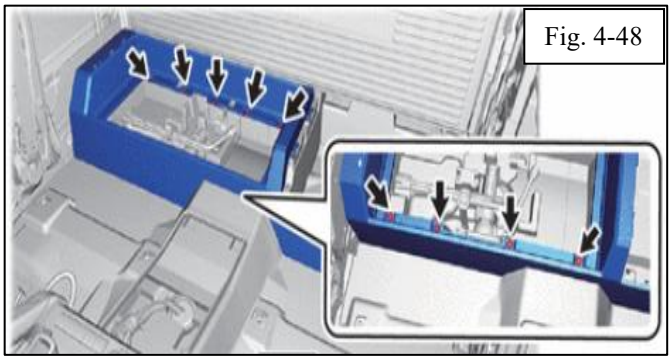
Fig. 4-48

NOTE: When setting the part to the body, start on the passenger side and work towards the driver side.

(ax) Re-install the jack cover. Engage the 4 clips for the hinge. Close the lid and turn the covers 90 degrees clockwise to secure the cover.

(ay) Re-install the luggage compartment trim cover assembly. Engage the clips then install the 4 screws with a Phillips screwdriver (Fig. 4-49).

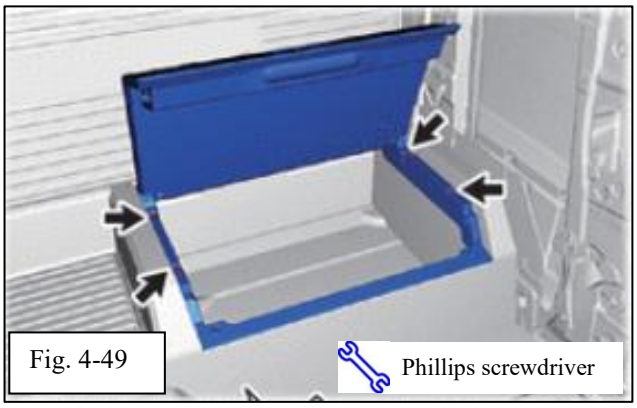

Fig. 4-49

(az) Re-install LH lower quarter trim panel by engaging the clips.

(ba) Re-install LH back door stopper spacer by engaging the clips.

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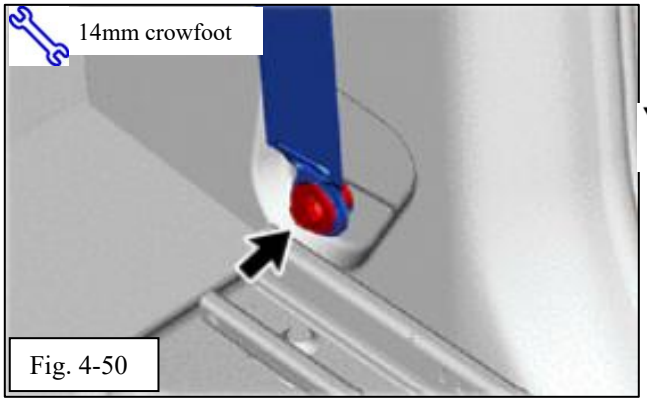

Fig. 4-50

(bb) Re-install the LH side seat belt anchor bolt using a 14mm crowfoot (Fig. 4-50).

Torque: 42 Nm (31 ft lb)

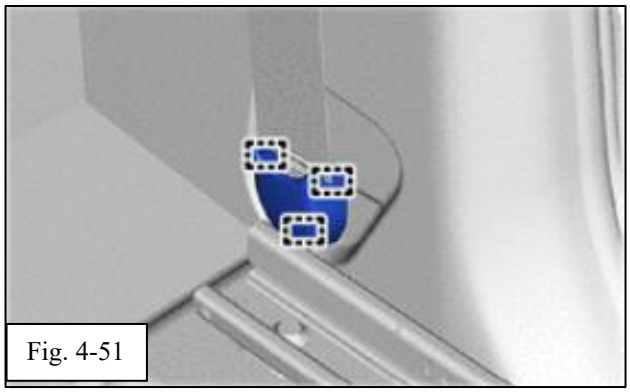
Fig. 4-51

(bc) Re-install the LH side seat belt lower anchor cover (Fig. 4-51).

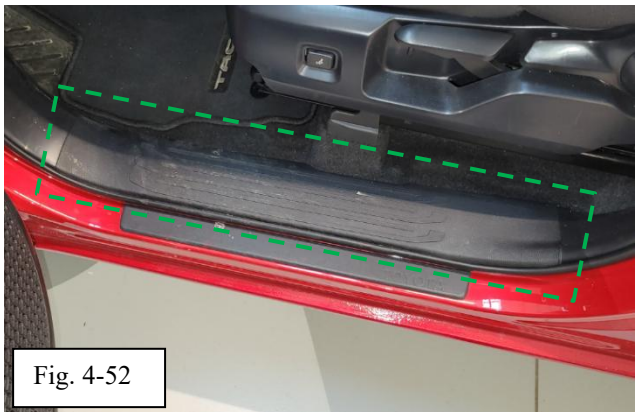
Fig. 4-52

(bd) Re-install the LH front door scuff plate (Fig. 4-52).

(be) If any floor mats were previously removed from the rear floor, re-install them back to their original position.

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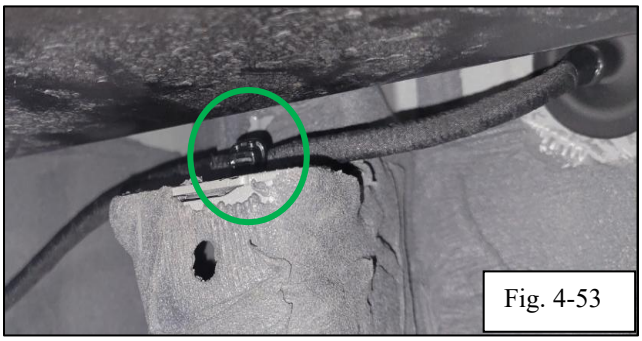
Fig. 4-53

(bf) From underneath the cab, install the first wire harness clip to the body (Fig. 4-53).

NOTE: The clip will only install to the large hole in the panel (Fig. 4-54).

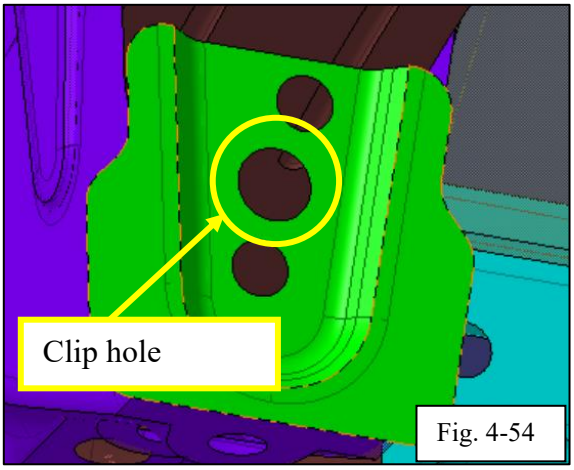

Fig. 4-54

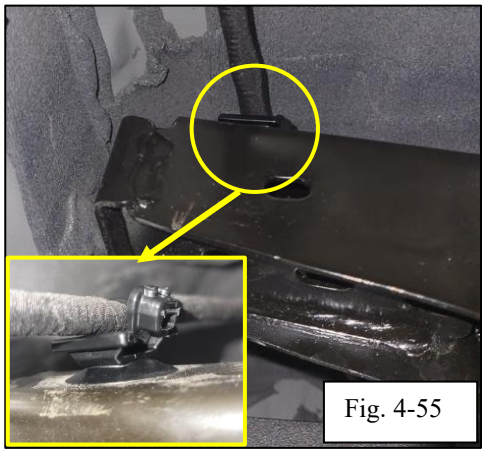
Fig. 4-55

(bg) For Double Cab vehicles only, install the second wire harness clip to the top surface of the frame member (Fig. 4-55).

For XtraCab vehicles, the second clip will not be used.

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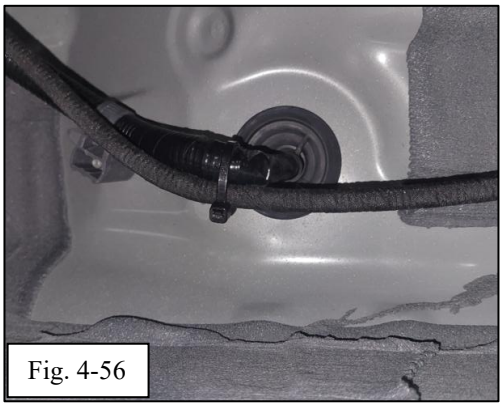

Fig. 4-56

(bh) From the second clip, route the Front CHMSL Wire Harness with the vehicle frame wire harness and secure with provided tie wrap (Fig. 4-56).

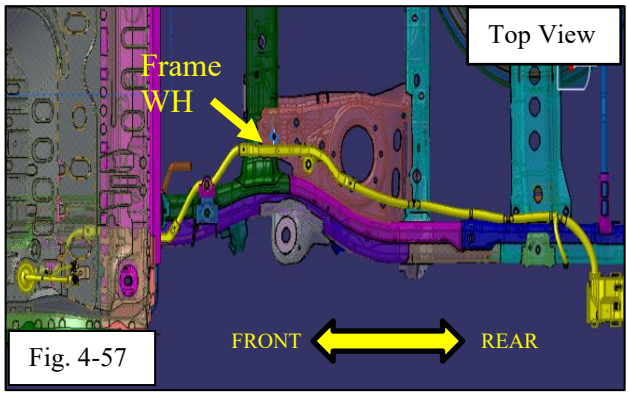

Fig. 4-57

(bi) Route the CHMSL Front Wire Harness along the vehicle frame wire harness up to the D-Pillar of the bed. Secure the wire harness with provided tie wraps approximately every 6 inches (~150mm) (Fig. 4-57).

(bj) Allow the end of the CHMSL Front Wire Harness to hang in the D-Pillar area where the rear combination lamp was previously removed. The CHMSL Rear Wire Harness will be connected in this area in a later step.

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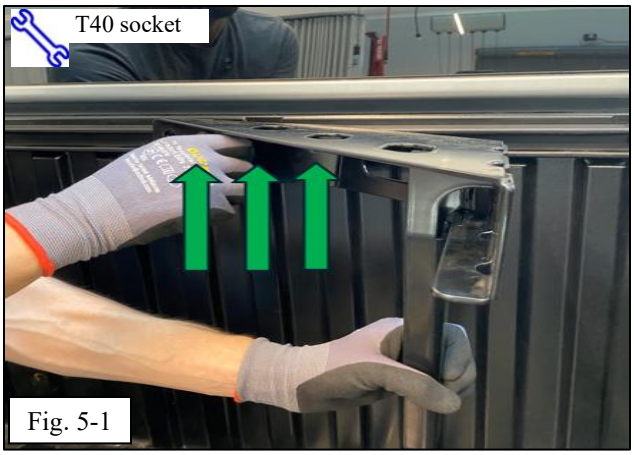

Fig. 5-1

Fig. 5-2

Fig. 5-3

Fig. 5-4

5. Install Bed Rack Components to Vehicle

(a) Hand-start 3 M8x1.25x25 bolts (blue patch) with M8x25x3 washers through the Y-Brace into the front rail using a T40 socket (Fig. 5-1). This hardware is found in hardware kit 6178165.

HINT: Align the T slot nut middle point with a fastener used for the bed rail behind the part (Fig. 5-2). Install the middle fastener first to prevent the T slot nut from rotating into the rail.

Leave the Y-Braces distanced from the bed side rails as mount post goes against the rail.

NOTE: RH shown, repeat for LH side.

(b) Install Collar into the location where the rear D-ring hook was previously removed (Fig. 5-3). This is the inboard hole at the rear of the bed. This part is found in hardware kit 6178165.

NOTE: RH shown, repeat for LH side.

(c) Hand-start SAE (7/16”-20) bolt with M10x25x3 washer through L-Bracket using a T50 socket (Fig. 5-4). This hardware is found in hardware kit 6178165.

NOTE: RH shown, repeat for LH side.

The LH L-Bracket will have a warning label while the RH part does not have a label.

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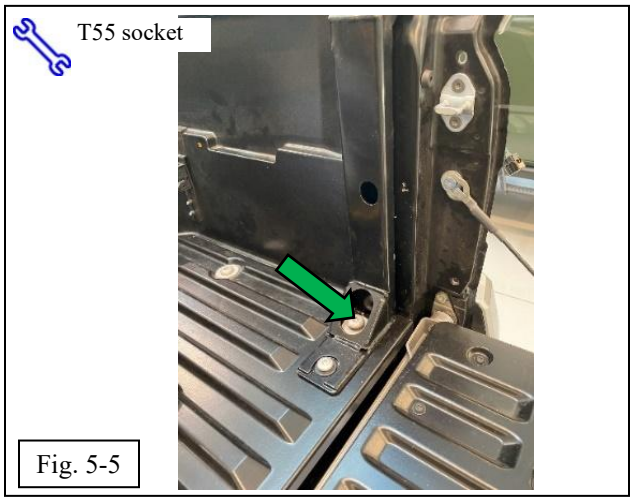

Fig. 5-5

(d) Hand-start the previously removed deck mount fastener through L-Bracket using a T55 socket (Fig. 5-5).

NOTE: RH shown, repeat for LH side.

Many of the next steps will require two people to ensure installer safety and mitigating risk of damage to vehicle due to dropped parts.

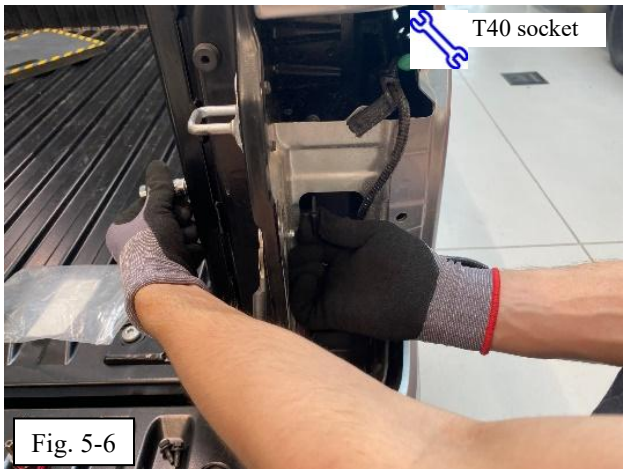

Fig. 5-6

(e) Hand-start M8x1.25x25 bolt (blue patch) with M8x19x2 washer into RCL reinforcement using a T40 socket (Fig. 5-6). This hardware is found in hardware kit 6178165.

NOTE: One person will hold the RCL reinforcement nut plate and the other person will turn the fastener.

RH shown, repeat for LH side.

Once hand-started, let the RCL reinforcement droop, the orientation will be finalized in a later step when part is torqued.

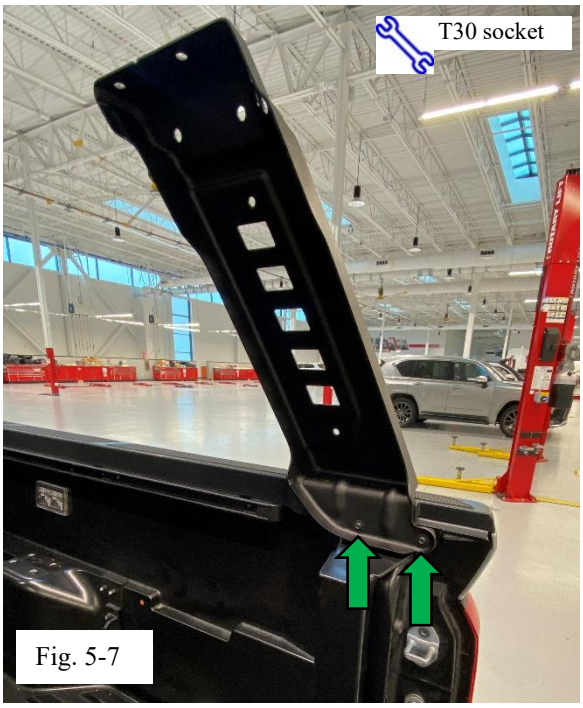

Fig. 5-7

(f) Temp set RH rear mount post to vehicle and hand-start 2 M6x1.0x35 bolts (blue patch) with M6x16x1.2 washers using a T30 socket (Fig. 5-7). This hardware is found in hardware kit 6178165.

NOTE: The mount post lower flange sits inboard of the L-Bracket.

One person should hold the mount post while the other person installs the fasteners.

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Fig. 5-8

(g) Feed rear CHMSL wire harness through LH rear mount post (Fig. 5-8). The grey wire harness connector should be fed through the mount post from the top side.

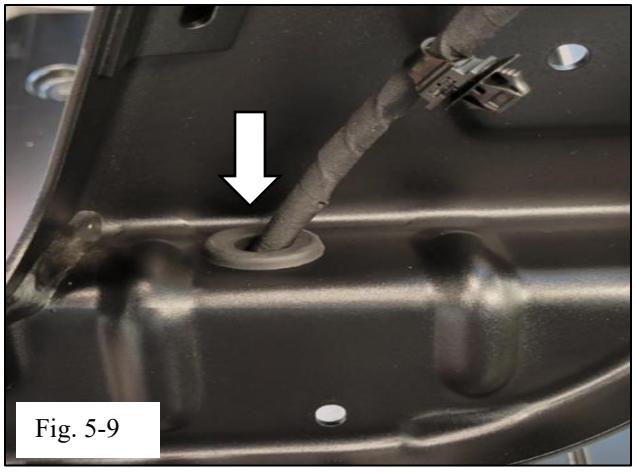

Fig. 5-9

(h) Set wire harness grommet into the LH rear mount post (Fig 5-9).

CAUTION: Ensure wire harness grommet is fully seated all around to prevent water intrusion.

Fig. 5-10

(i) Feed rear CHMSL wire harness through hole previously drilled in LH deck top protector (Fig. 5-10).

NOTE: Two-person task. One person will need to lift the deck top protector. The other person will bring the LH rear mount post with the CHMSL wire harness attached near the vehicle to feed the wire harness through the hole.

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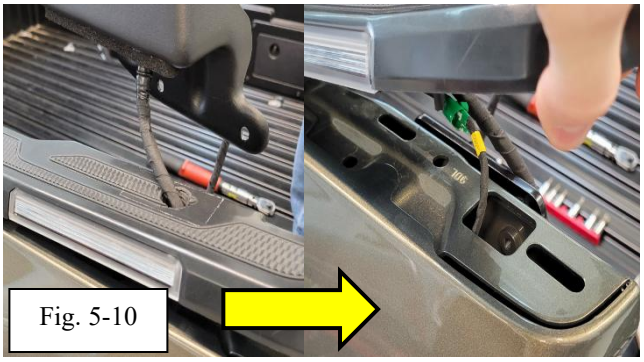

Fig. 5-10

(j) Lift the LH deck top protector and route wire harness through the channel in the deck top protector then through the square hole in body (Fig. 5-10). The example wire harness route shown in Fig. 5-11.

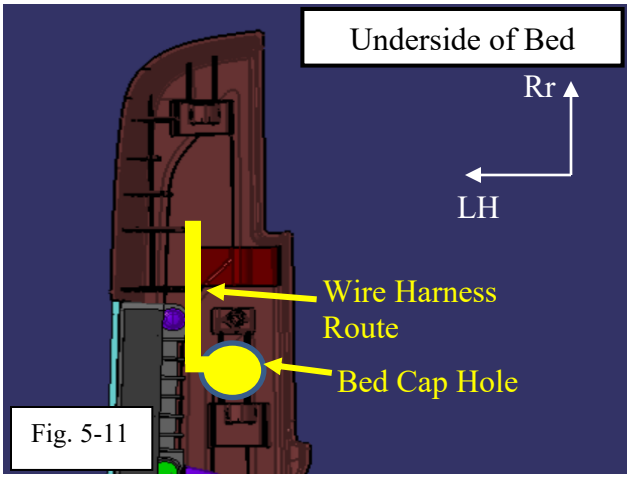

Fig. 5-11

(k) Re-engage the LH deck top protector to the body. Temp set the LH rear mount post using 2 M6x1.0x35 bolts (blue patch) with M6x16x1.2 washers using a T30 socket (Fig. 5-12). This hardware is found in hardware kit 6178165.

Fig. 5-12

NOTE: Two-person task. One person should hold the mount post while the other installs the hardware.

Be sure that all clips for the LH deck top protector are engaged for proper fit.

Let the wire harness end hang but tuck it aside to ensure it does not get pinched or damaged until the wire harness is fully installed.

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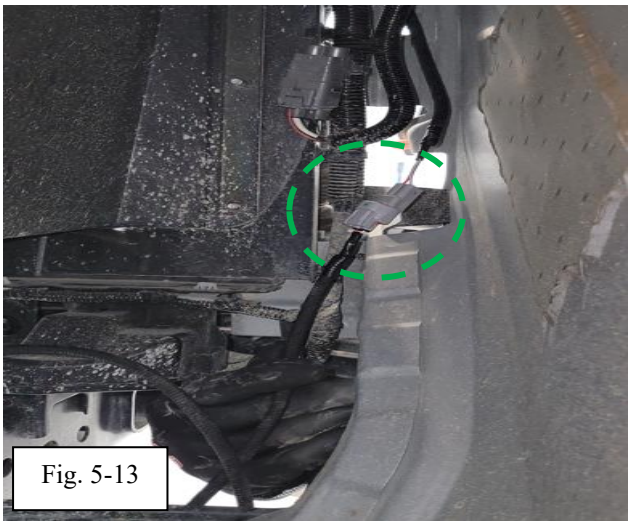
Fig. 5-13

(l) Connect CHMSL front and rear wire harnesses (Fig. 5-13).

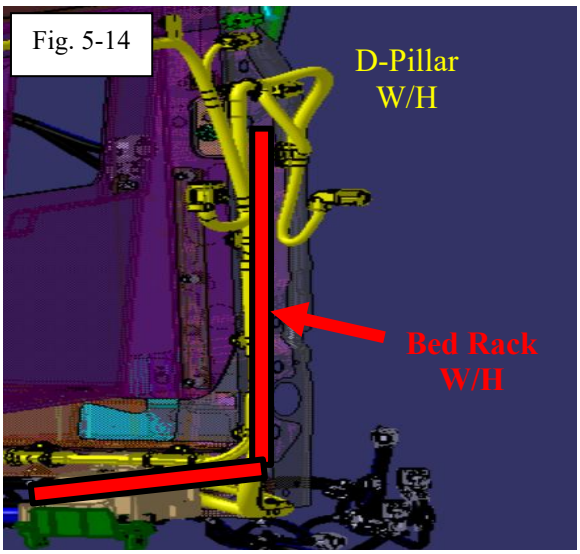

Fig. 5-14

(m) Bundle and secure the CHMSL wire harness with tie wraps along vehicle D-pillar wire harness. Apply tie wrap approximately every 6 inches (150mm) (Fig. 5-14).

NOTE: For short wheelbase vehicles, the front wire harness will require additional bundling as the wire harness was designed for both short and long wheelbase vehicles.

(n) Temp set Front Mount Post with 3 M8x1.25x25 bolts (blue patch) and M8x25x3 washers using T40 socket (Fig. 5-15). This hardware is found in hardware kit 6178084.

Fig. 5-15

NOTE: Two-person task. One person will hold Front Mount Posts while the other handles the Y-Brace and fasteners.

LH shown, repeat for RH side.

See hints for this step on next page.

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Fig. 5-16

Fig. 5-17

Fig. 5-18

HINT: Move t-slot nut rearward so that it is rear of where the Y brace will end up as you slide it to the outside of the bed. Then move the T-slot nut forward to line up the holes with the holes in the Y-Brace (Fig. 5-16).

Move the Y-Brace inboard enough to allow the front mount post to set between the bed side and Y-Brace (5-17). Finally move the Y-Brace outboard against the front mount post and loosely install the 3 fasteners in each Y-Brace to T-slot nut using a T40 socket (5-18).

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Fig. 5-19

(o) Temp set front tie down hook to the Y-Brace using 2 M8x1.25x35 bolts (blue patch) with M8x19x2 washers using a T40 socket (Fig. 5-19). This hardware is found in hardware kit 6178165.

NOTE: LH shown, repeat for RH side.

When installing the LH front tie down hook, a spotter must be utilized for vehicles with a 5 Ft Bed Rack being installed (PT989-35241). This is to ensure the fuel line is not pinched or squeezed by the protrusion of the longer bolts being installed. One person will install the bolts from within the bed while the other person (spotter) will observe the bolt protrusion from the underside of the vehicle to ensure it does not contact the fuel line bracket (Fig 5-20).

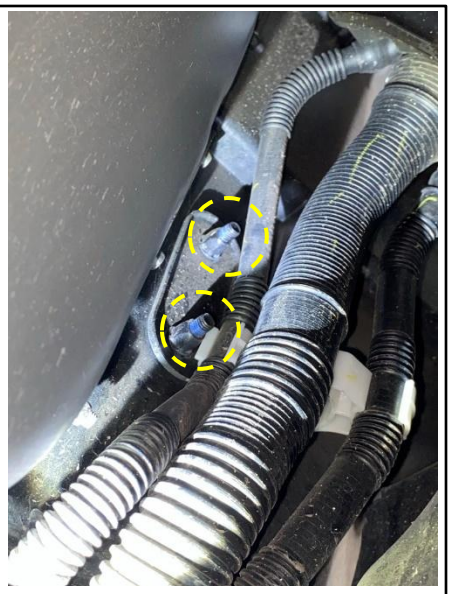

Fig. 5-20

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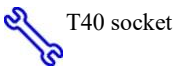

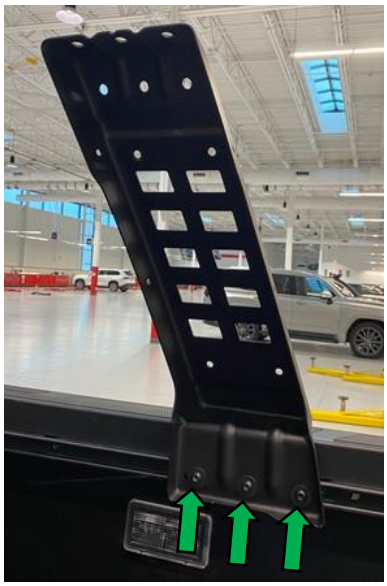

Fig. 5-21

(p) Temp set Middle Mount Post with 3 M8x1.25x25 bolts (blue patch) with M8x25x3 washers using a T40 socket (Fig 5-21). This hardware is found in hardware kit 6178084.

NOTE: Two-person task. One person should hold the mount post while the other installs the hardware.

For PT989-35241 (5 Ft), the approximate location of the Middle Mount Post is shown in Fig. 5-22. The front bolt should roughly align with the rear of the bed light lens.
For PT989-35242 (6 Ft), the approximate location of the Middle Mount Post is shown in Fig. 5-23. The rear bolt should roughly align with the middle of the bed light lens.

RH shown, repeat for LH side.

HINT: The same method as shown in Fig. 5-2 can be used to make the process of installing the hardware easier.

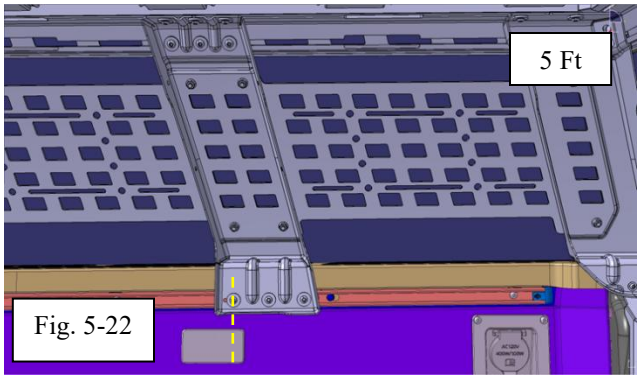

Fig. 5-22

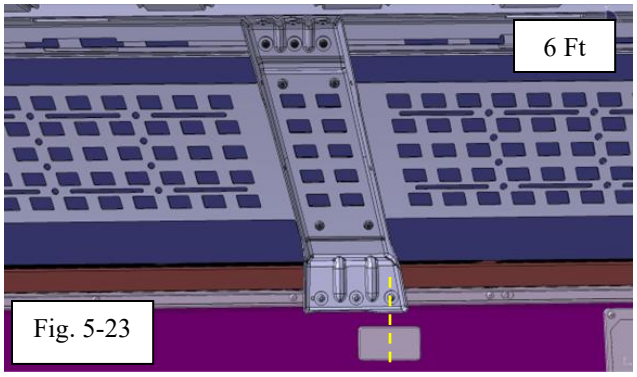

Fig. 5-23

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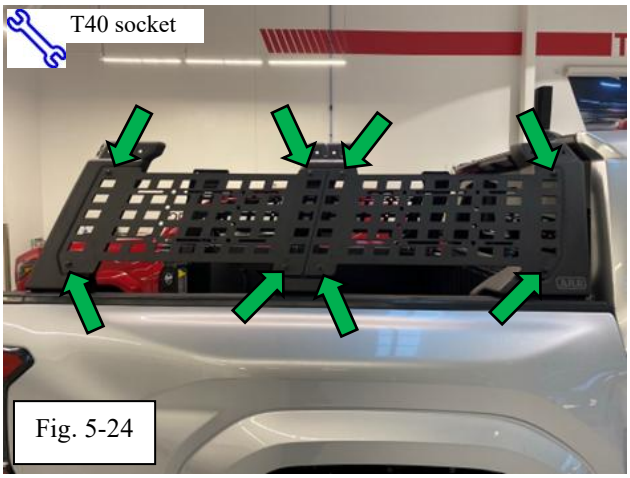

Fig. 5-24

(q) If a Molle Panel Kit (PT989-35248 or PT989-35249) is being installed, temp set the molle panels to the mount posts (Fig. 5-24). Each molle panel utilizes 4 M8x1.25x20 bolts (yellow patch) with M8x19x2 washers and M8x1.25 flange nuts. This hardware is included in the Molle Panel Hardware Kit. Install the bolt and washer from the outside of the molle panel with the flange nut sitting against the inside of the mount posts.

NOTE: Two-person task. One person will hold the molle panel while the other person installs the hardware.

RH shown, repeat for LH side.

HINT: The molle panels are <u>not</u> handed (RH and LH). The front and rear molle panel edge shape aligns with the front and rear mount post groove profile.

The front molle panel profile is shown in Fig. 5-25.

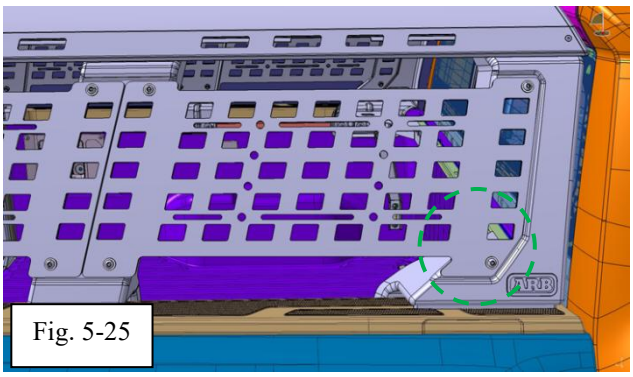
Fig. 5-25

The rear molle panel profile is shown in Fig. 5-26.

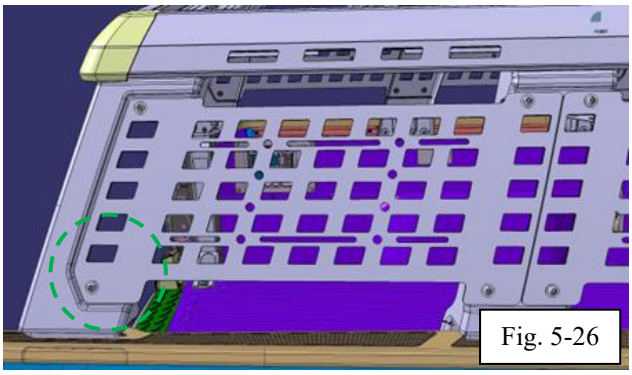
Fig. 5-26

The molle panel installation may require adjustment of the Middle Mount Post position along the bed side rail to align the mounting holes.

If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed, complete steps 4(r) through 4(y). If not skip to step 4(ad).

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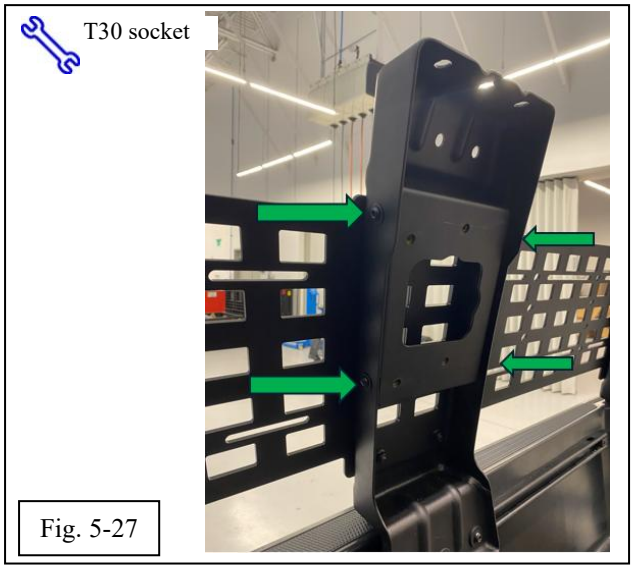

Fig. 5-27

(r) Temp set HD Mount Bracket to Middle Mount post using 4 M6x1.0x16 bolts (yellow patch) with M6x16x1.2 washers using a T30 socket (Fig. 5-27). This hardware is found in the Heavy Duty Hardware Kit.

NOTE: RH shown, repeat for LH side.

The mount brackets have part orientation markings included. The jog in the middle window is on the top side of the part when installed.

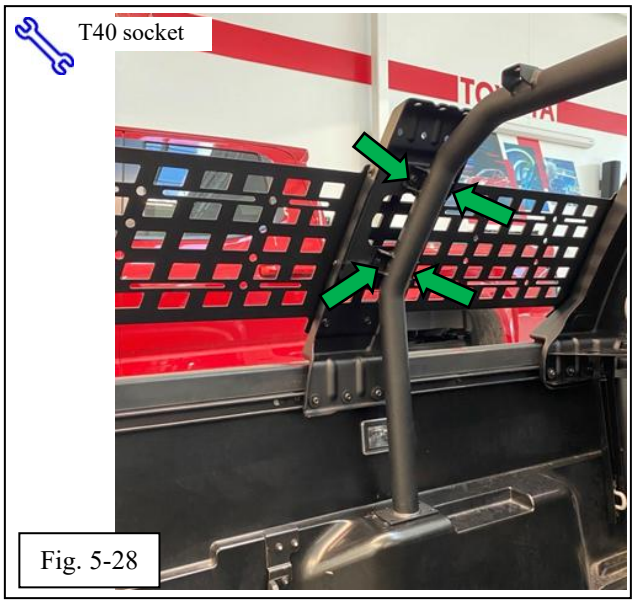

Fig. 5-28

(s) Temp set Heavy Duty Bar to Heavy Duty Mount Bracket using 4 M8x1.25x20 bolts (yellow patch) with M8x19x2 washers using a T40 socket (Fig. 5-28). This hardware is found in the Heavy Duty Hardware Kit.

NOTE: LH shown, repeat for RH side.

4 locations each side for a total of 8.

Fig. 5-29

(t) Temp set Heavy Duty Bar to vehicle bed using 8 M6x1.0x20 with M6x16x1.2 washers. Simply install the hardware through the holes in the Heavy Duty bar and the bed (Fig. 5-29). It is not necessary to install the nut plates below the bed at this time. This hardware is found in the Heavy Duty Hardware Kit.

NOTE: RH shown, repeat for LH side.

4 locations per side for a total of 8 locations.

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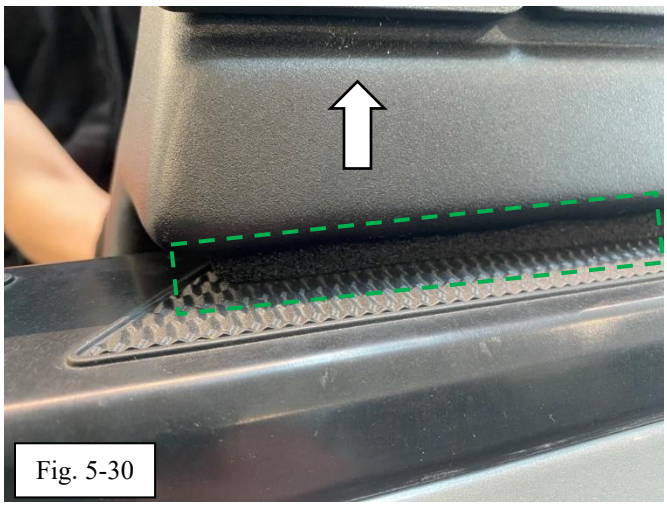

Fig. 5-30

(u) Lift the Middle Mount Post until the foam pad is just touching the deck top protector (Fig. 5-30). Tighten the 2 accessible fasteners for the Middle Mount Post using a T40 socket (Fig. 5-31).

Torque: 16 Nm (12 ft lb)

NOTE: RH shown, repeat for LH side.

For PT989-35241 (5 Ft), the accessible fasteners are the middle and rear bolts.

For PT989-35242 (6 Ft), the accessible fasteners are the front and rear bolts.

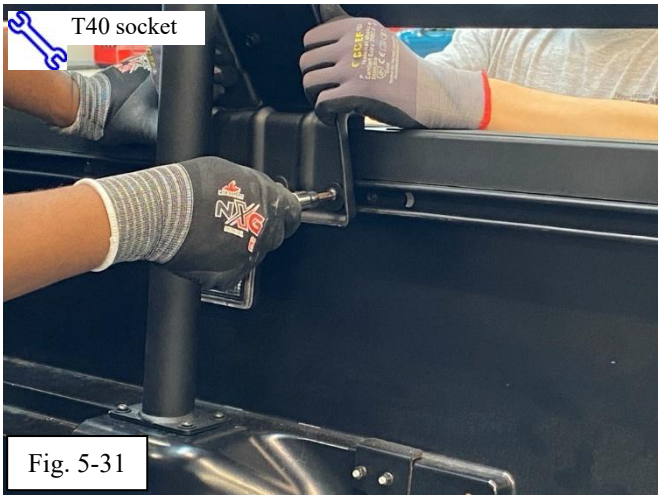

Fig. 5-31

(v) Remove the previously installed M6 fasteners from step 4(t) attaching the Heavy Duty Bar to the vehicle bed (Fig. 5-32).

NOTE: DO NOT discard, these will be re-installed at a later step.

RH shown, repeat for LH side.

Fastener details:

8 M6x1.0x20 bolts (blue patch)

8 M6x16x1.2 washers

Fig. 5-32

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If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed <u>DIO</u>, complete steps 4(w) through 4(y). If not, skip to step 4(z).

(w) Mark the bed with a paint marker through the holes in the foot plates on the Heavy Duty Bar (Fig. 5-33).

NOTE: RH shown, repeat for LH side.

4 locations each side, total of 8 locations.

Fig. 5-33

(x) Drill holes through the bed in the locations marked from previous step. Start with a pilot size of 5mm drill bit. Then use a 10mm drill bit for final hole size. After completion of drilling, de-burr the holes.

NOTE: Use caution when drilling with 10mm bit size. The bed has a risk to fray if not drilled perpendicular with light force.

Total of 8 holes to be drilled, 4 on each side.

(y) Vacuum out the bed around the drill locations.

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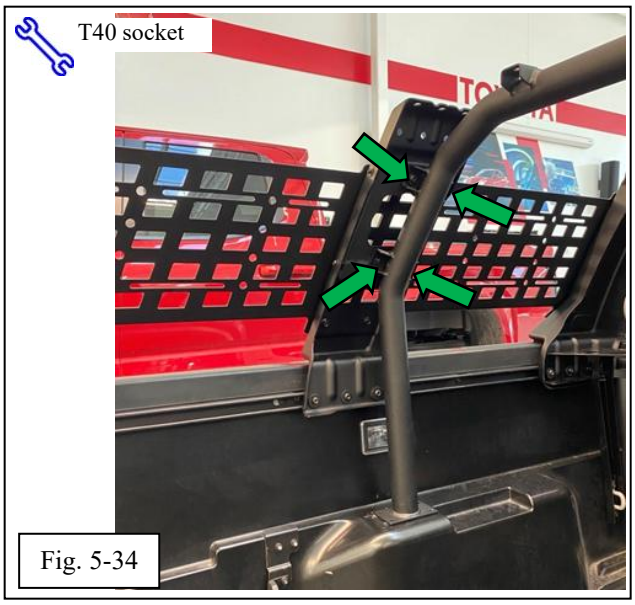

Fig. 5-34

(z) Remove the previously installed M8 fasteners from step 4(s) attaching the Heavy Duty Bar to the Heavy Duty Mount Brackets (Fig 5-34). Remove the Heavy Duty Bar from the vehicle. Set the fasteners and Heavy Duty Bar aside for re-installation in a later step.

NOTE: DO NOT discard, these will be re-installed at a later step.

LH shown, repeat for RH side.

Fastener details:

8 M8x1.25x20 bolts (yellow patch)

8 M8x19x2 washers

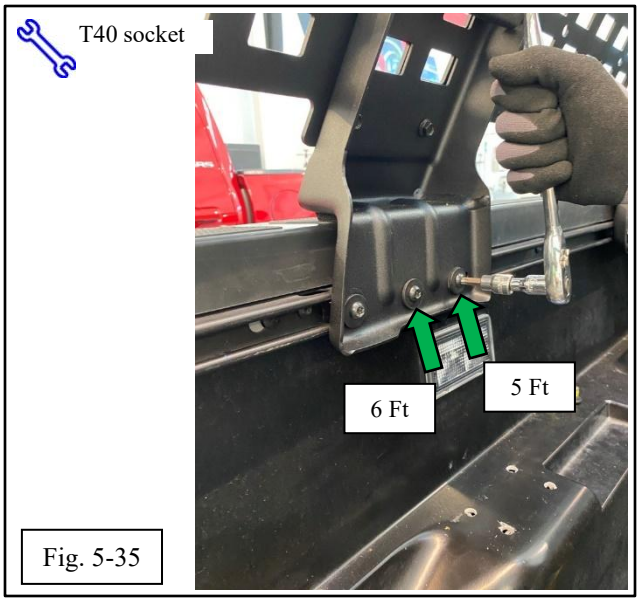

Fig. 5-35

(aa) Tighten the remaining middle mount post fastener not previously torqued in step 2(u) using a T40 socket (Fig. 5-35).

Torque: 16 Nm (12 ft lb)

NOTE: RH shown, repeat for LH side.

For PT989-35241 (5 Ft), the remaining fastener is the front bolt.

For PT989-35242 (6 Ft), the remaining fastener is the middle bolt.

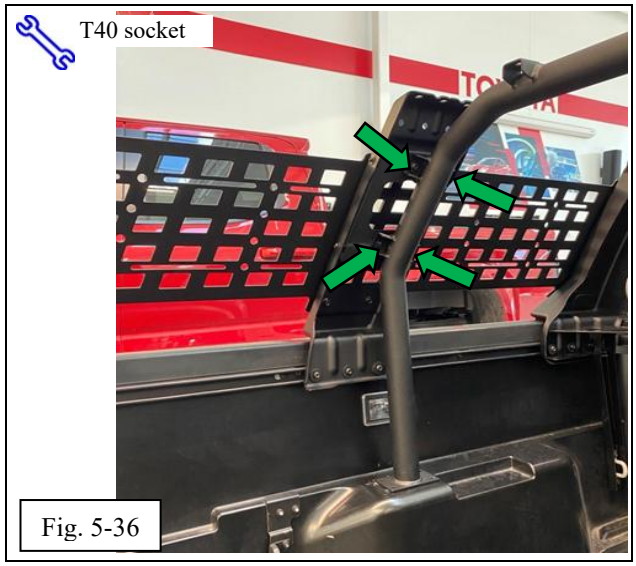

Fig. 5-36

(ab) Re-install the Heavy Duty Bar. Temp set the 8 M8x1.25x20 bolts (yellow patch) with M8x19x2 washers with a T40 socket (Fig. 5-36).

NOTE: LH shown, repeat for RH side.

4 locations each side for a total of 8

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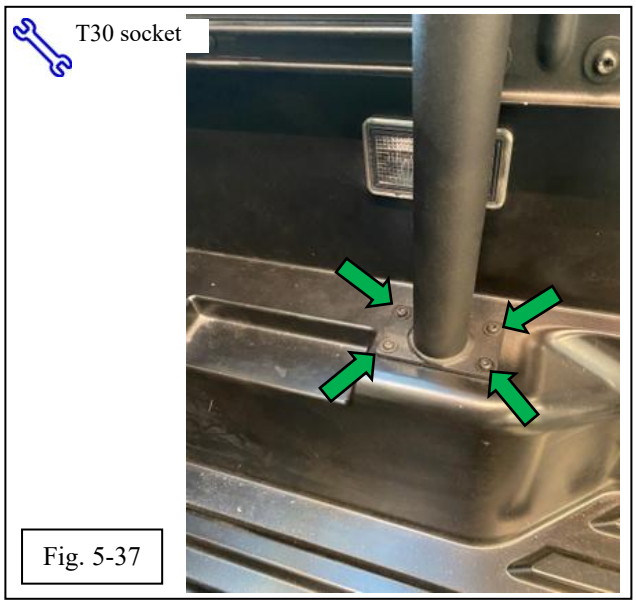

Fig. 5-37

(ac) Temp set the 8 M6x1.0x20 bolts (blue patch) with M6x16x1.2 washers through the Heavy Duty Bar and the bed (Fig. 5-37). During this re-installation, temp set the bolts into the nut plates which are shown in Fig. 5-38.

NOTE: Two-person task. One person will hold the nut plates while the other turns the fasteners.

RH shown, repeat for LH side.

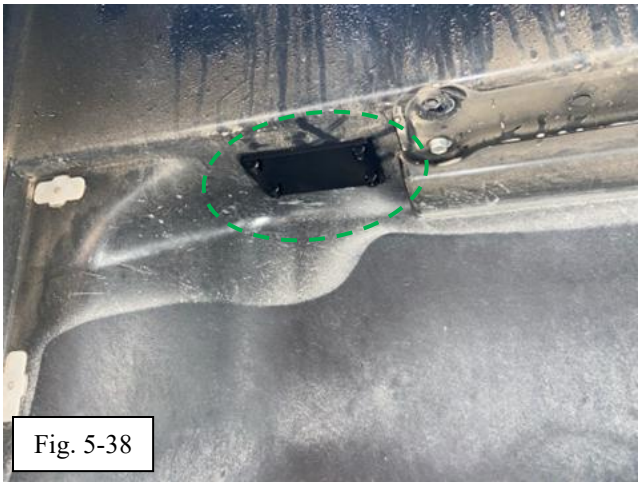
Fig. 5-38

Fig. 5-39

(ad) Set the Rack Top onto the mount posts (Fig 5-39).

CAUTION: Two-person task due to lifting heavy part above head.

Be sure to not allow the rack top to contact the cab of the vehicle.

Minimize the rubbing between the rack top and mount posts.

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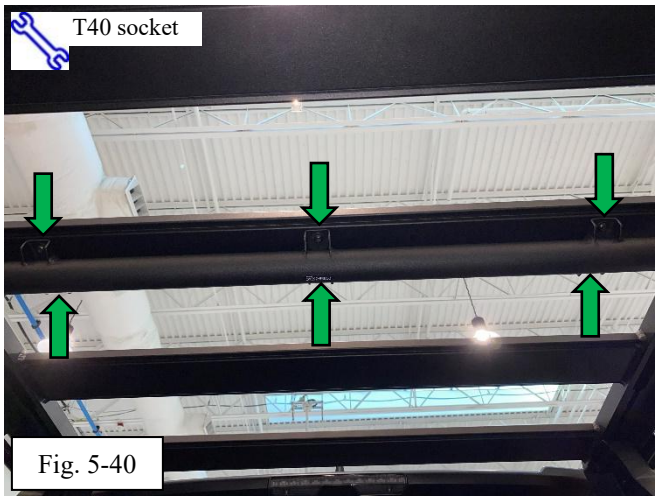

Fig. 5-40

(ae) If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed, temp set Heavy Duty Bar to Rack Top using 6 M8x1.25x25 bolts (blue patch) with M8x19x2 washers using a T40 socket (Fig. 5-40). This hardware is found in the Heavy Duty Hardware Kit.

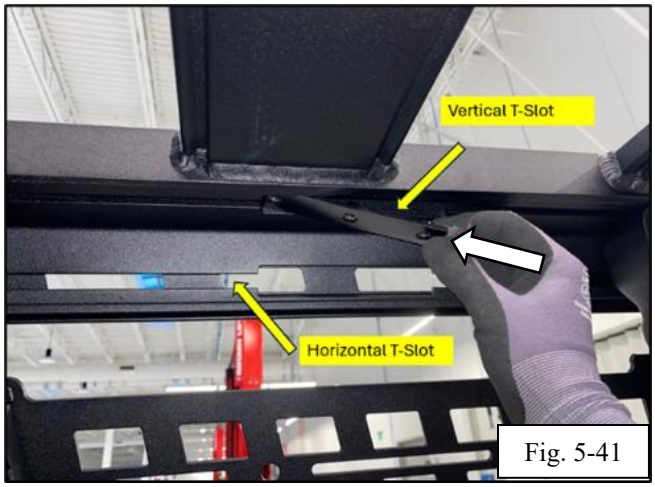

Fig. 5-41

(af) Insert the Rack T Slot Nuts into the T Slot channels on the Rack Top (Fig. 5-41). There will be 3 T Slot Nuts in each channel of the Rack Top. The 3-Nut parts will be used with the Middle Mount Posts. The 2-Nut parts will be used with the Front Mount Posts and Rear Mount Posts. This hardware is found in hardware kit 6178084.

Fig. 5-42

(ag) Align the T Slot Nuts with the through holes in each mount post. Use a flathead screwdriver to adjust the position of the T Slot Nut (Fig. 5-42).

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Fig. 5-43

(ah) Install Vertical T Slot Rack Top fasteners using a T40 socket (Fig. 5-43). At each position there will be an M8x1.25x25 bolt (blue patch) with an M8x25x3 washer. This hardware is found in hardware kit 6178084.

Torque: 22 Nm (16 ft lb)

CAUTION: Ensure these fasteners are being installed in the correct channel as shown in Fig. 5-44. The fastener should be oriented upward. If the fastener is not installed in the correct Rack Top channel, damage will occur.

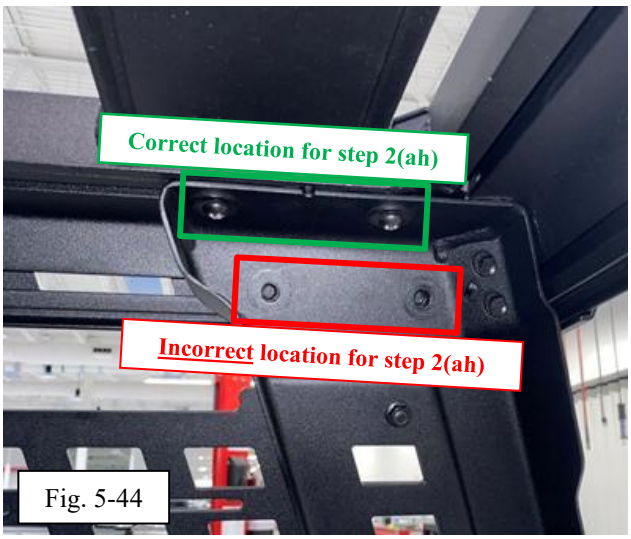

Fig. 5-44

NOTE: If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed, a stubby T40 socket will need to be utilized (Fig. 5-45). This is to access the middle bolt on the Middle Mount Post (indicated by yellow arrow in Fig. 5-43) for torque application.

7 locations each side, total of 14.

RH shown, repeat for LH side.

Fig. 5-45

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Fig. 5-46

(ai) Temp set Horizontal T Slot Rack Top fasteners using a T40 socket (Fig. 5-46). At each position there will be an M8x1.25x20 bolt (yellow patch) with an M8x25x3 washer. This hardware is found in hardware kit 6178084.

NOTE: If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed, a stubby T40 socket will need to be utilized. This is to access certain fasteners on the Middle Mount Post for torque application (detail below).

For 5 Ft, the middle bolt on the Middle Mount Post requires the stubby T40 socket (Fig. 5-47).

For 6 Ft, the rear bolt on the Middle Mount Post requires the stubby T40 socket (Fig. 5-48).

7 locations each side, total of 14.

RH shown, repeat for LH side.

Fig. 5-47

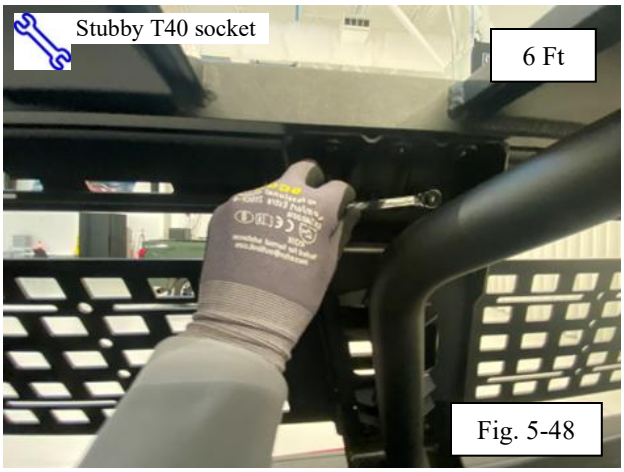

Fig. 5-48

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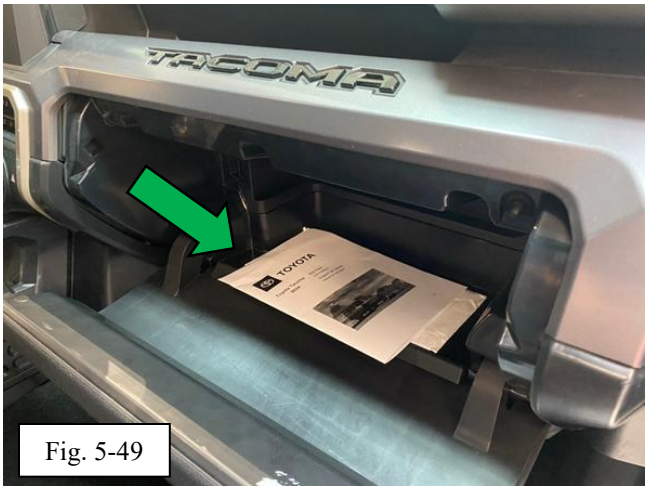

Fig. 5-49

(aj) Place customer care card in glove box (Fig. 5-49).

6. Torque Fasteners

(a) Torque Rack Top horizontal fasteners using a T40 socket (Fig. 6-1).

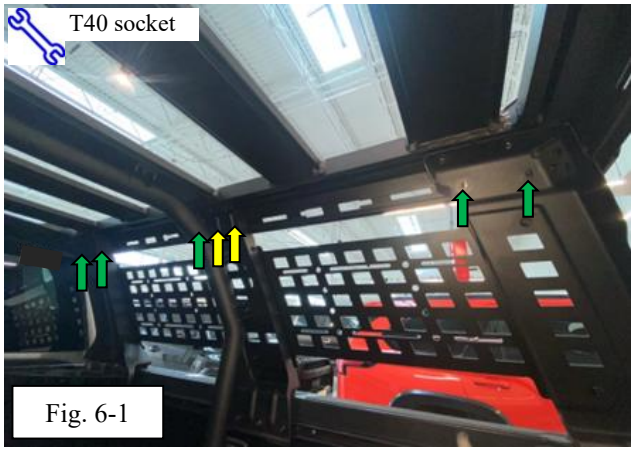

Fig. 6-1

Torque: 22 Nm (16 ft lb)

NOTE: If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed, a stubby T40 socket will be required.

For 5 Ft, the middle bolt on the Middle Mount Post requires the stubby T40 socket.

For 6 Ft, the rear bolt on the Middle Mount Post requires the stubby T40 socket.

7 locations each side, total of 14.

RH shown, repeat for LH side.

If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed, complete steps 5(b) through 5(e). If not, proceed to step 5(f).

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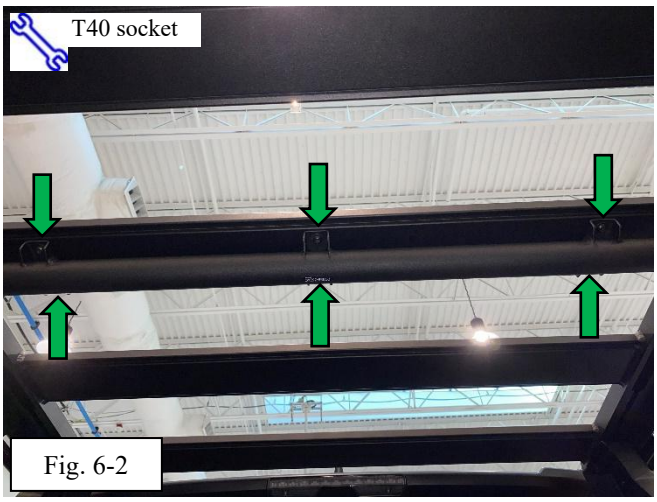

Fig. 6-2

(b) Torque Heavy Duty Bar to Rack Top using a T40 socket at 6 locations (Fig. 6-2).

Torque: 22 Nm (16 ft lb)

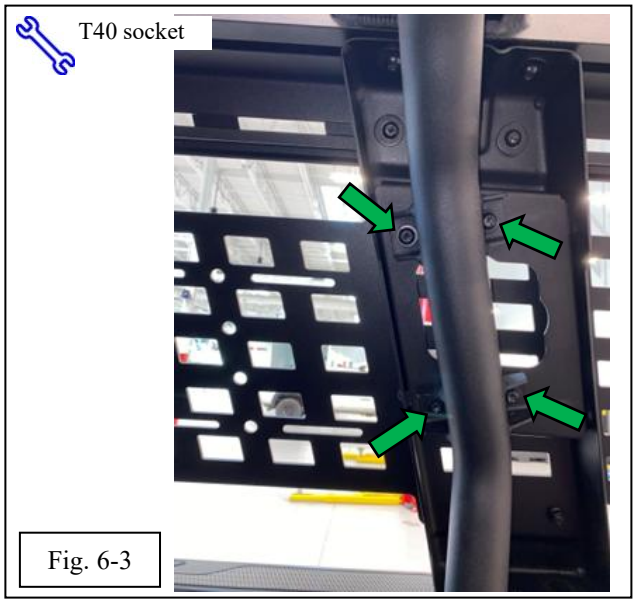

Fig. 6-3

(c) Torque Heavy Duty Bar to Heavy Duty Mount Bracket using a T40 socket (Fig. 6-3).

Torque: 22 Nm (16 ft lb)

NOTE: 4 locations each side, total of 8 locations.

RH shown, repeat for LH side.

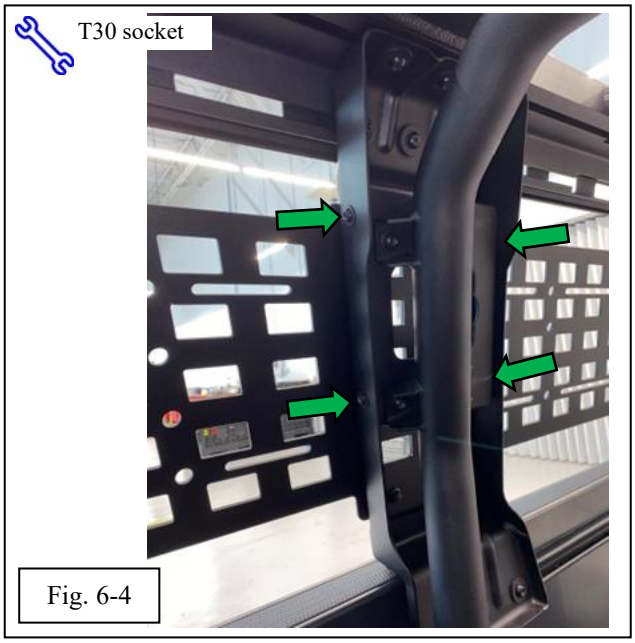

Fig. 6-4

(d) Torque Heavy Duty Mount Bracket to Middle Mount Post using a T30 socket (Fig. 6-4).

Torque: 9 Nm (80 in lb)

NOTE: 4 locations each side, total of 8 locations.

RH shown, repeat for LH side.

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Fig. 6-5

(e) Torque Heavy Duty Bar to the Heavy Duty Deck Mount Nut Plate under the bed using a T30 socket (Fig. 6-5).

Torque: 9 Nm (80 in lb)

NOTE: 4 locations each side, total of 8 locations.

RH shown, repeat for LH side.

Fig. 6-6

(f) Before torquing the Y-Brace, push the part towards the front corner of the bed to close any gaps (Fig. 6-6).

NOTE: RH shown, repeat for LH side.

Fig. 6-7

(g) Torque the Y-Brace to the front bed rail using a T40 socket (Fig. 6-7).

Torque: 16 Nm (12 ft lb)

NOTE: 3 locations each side, total of 6 locations.

RH shown, repeat for LH side.

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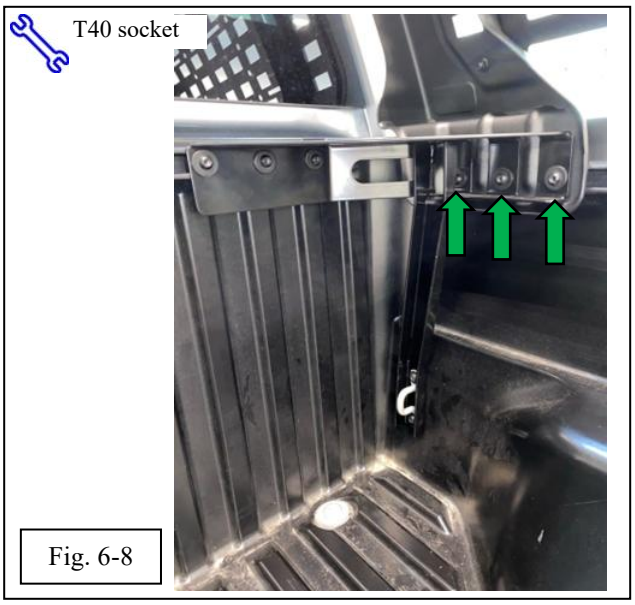

Fig. 6-8

(h) Torque the Y-Brace to the bed side rails using a T40 socket (Fig. 6-8).

Torque: 16 Nm (12 ft lb)

NOTE: 3 locations each side, total of 6 locations.

RH shown, repeat for LH side.

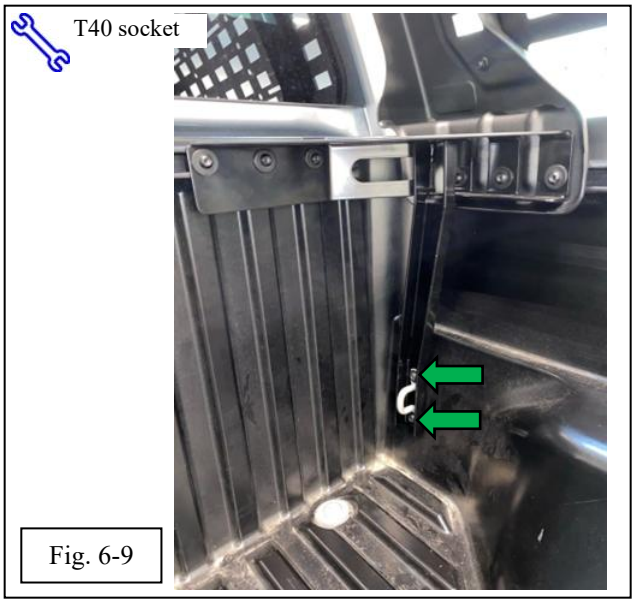

Fig. 6-9

(i) Torque the front tie down hook using a T40 socket (Fig. 6-9).

Torque: 20 Nm (15 ft lb)

NOTE: 2 locations each side, total of 4 locations.

RH shown, repeat for LH side.

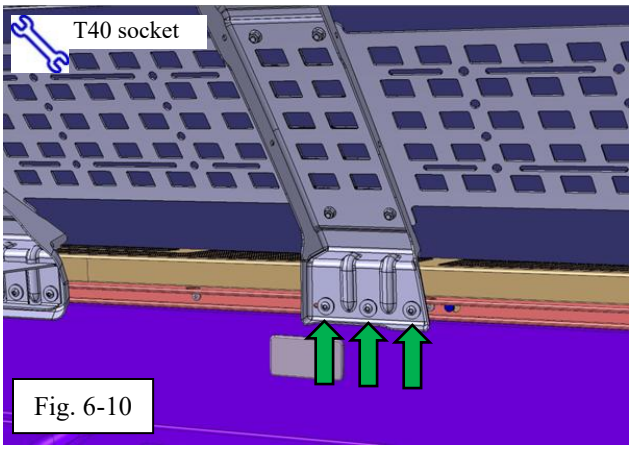

Fig. 6-10

(j) If a Heavy Duty Kit **<u>is not</u>** being installed (Light Duty only), torque the Middle Mount Post using a T40 socket (Fig. 6-10).

Torque: 16 Nm (12 ft lb)

NOTE: 3 locations each side, total of 6 locations.

RH shown, repeat for LH side

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Fig. 6-11

(k) Before torquing the L-Brace fasteners, push the L-Brace outboard to the bed to close an gaps (Fig. 6-11).

NOTE: RH shown, repeat for LH side.

Fig. 6-12

(l) Torque the RCL Reinforcement using a T40 socket (Fig. 6-12).

Torque: 22 Nm (16 ft lb)

NOTE: RH shown, repeat for LH side.

Ensure that the RCL Reinforcement is properly oriented during torque application. The tab should be facing rearward.

There should be a <u>2-3mm gap</u> between the RCL Reinforcement and the top edge of the cutout in the body. A gap must be present to ensure the RCL Reinforcement does not rub the body. This area is circled in yellow within Fig. 6-13.

Fig. 6-13

The orientation of the RCL Reinforcement is critical for vehicles with automatic tailgate to maintain clearance to the actuator when the tailgate is closed (Fig. 6-14).

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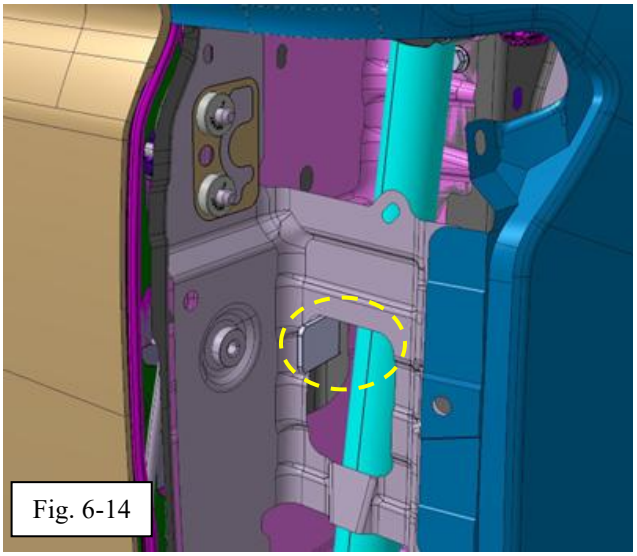

Fig. 6-14

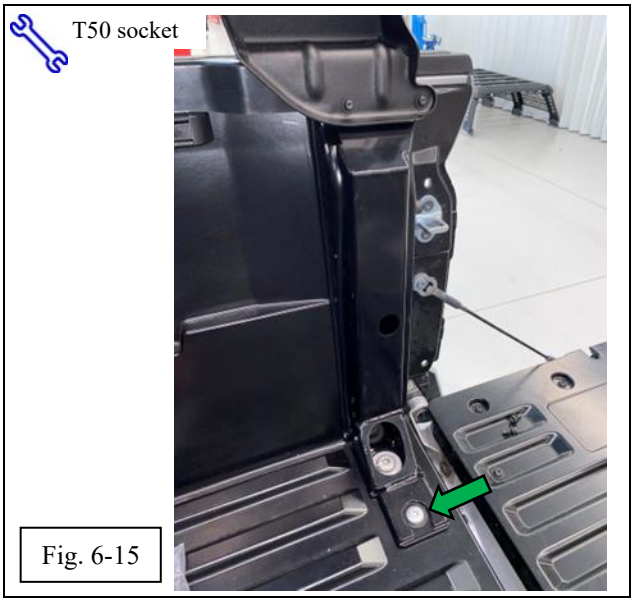

Fig. 6-15

(m) Torque the L-Brace SAE bolt using a T50 socket (Fig. 6-15).

Torque: 39 Nm (29 ft lb)

NOTE: RH shown, repeat for LH side.

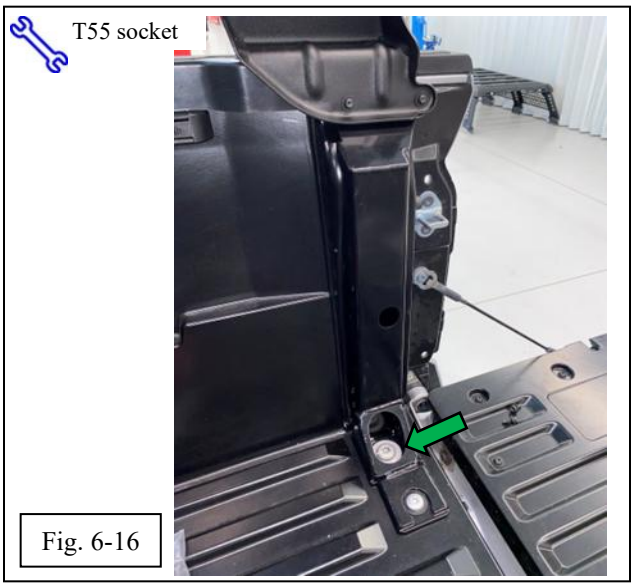

Fig. 6-16

(n) Torque the rearmost deck mount bolt using a T55 socket (Fig. 6-16).

Torque: 55 Nm (41 ft lb)

NOTE: RH shown, repeat for LH side.

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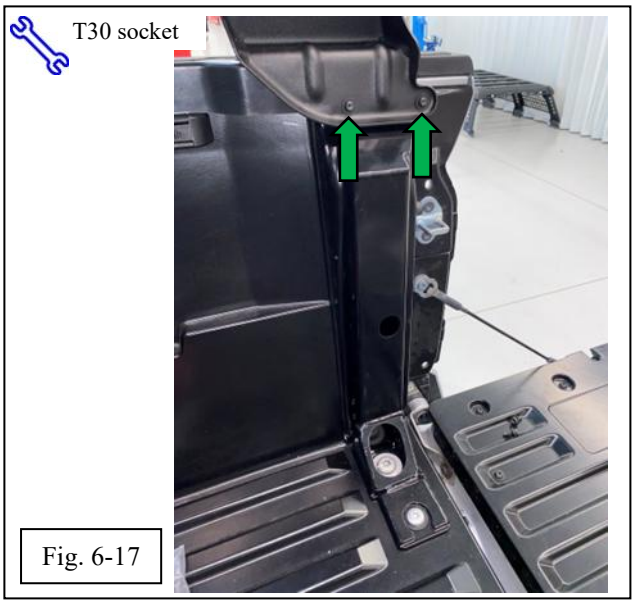

Fig. 6-17

(o) Torque the Rear Mount Post D-Pillar fasteners using a T30 socket (Fig. 6-17).

Torque: 9 Nm (80 in lb)

NOTE: RH shown, repeat for LH side.

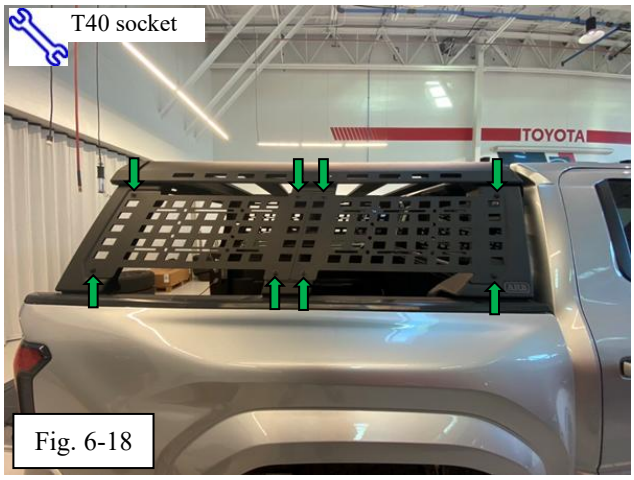

Fig. 6-18

(p) If a Molle Panel Kit (PT989-35248 or PT989-35249) is being installed, torque the Molle Panel fasteners using a T40 socket and 12mm wrench (Fig. 6-18).

Torque: 22Nm (16 ft lb)

NOTE: 4 locations per panel, total of 16 locations.

RH shown, repeat for LH side.

Two-person task. One person will turn the bolts from outside the vehicle while the other holds the flange nut from the inside of the bed.

If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed, the upper flange nuts at the middle mount post are accessed by inserting the wrench through the window in the Heavy Duty Mount Bracket.

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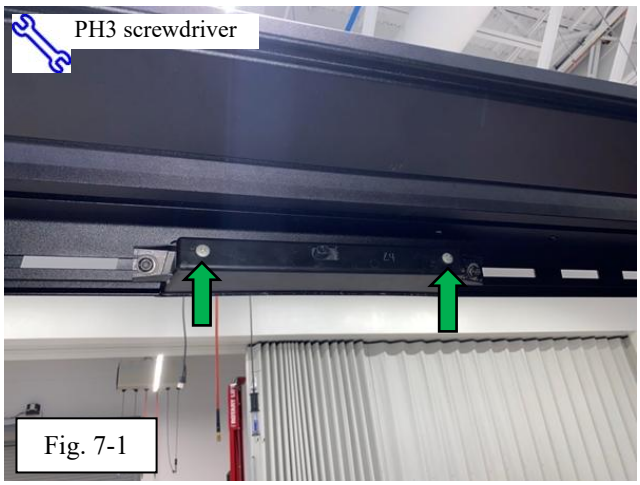

Fig. 7-1

7. Install CHMSL

(a) Insert CHMSL into CHMSL Bezel and torque the provided fasteners using a PH3 screwdriver size (Fig. 7-1). The CHMSL and fasteners are found in the CHMSL Kit.

Torque: 1.5 Nm (13 in lb)

NOTE: The flat surface of the CHMSL is on the top side in the installed position (part will only install in the correct orientation due to wire harness connector position).

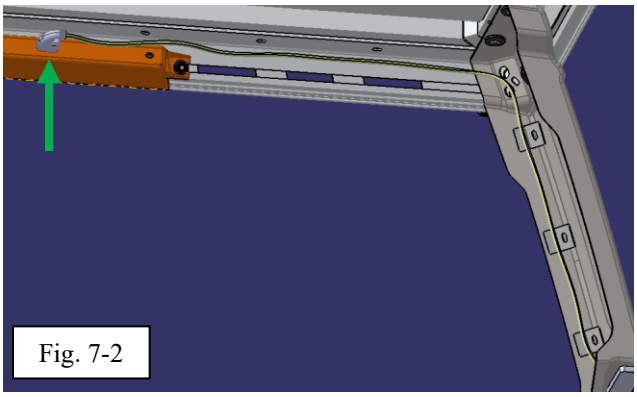
Fig. 7-2

(b) Attach CHMSL wire harness connector to the CHMSL (Fig. 7-2).

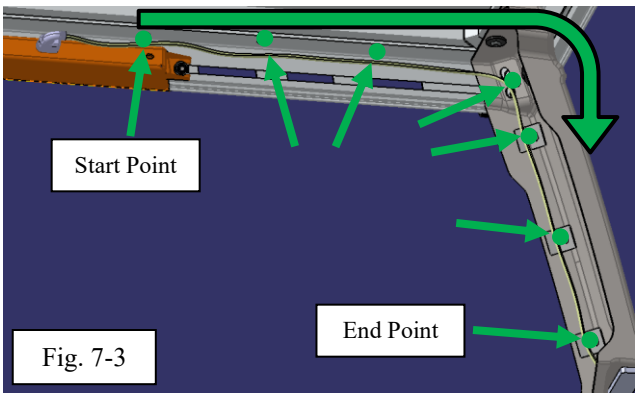

Fig. 7-3

(c) Attach the CHMSL wire harness clips to the bed rack. Start at the clip location closest to the CHMSL wire harness connector and work away from the CHMSL (Fig. 7-3).

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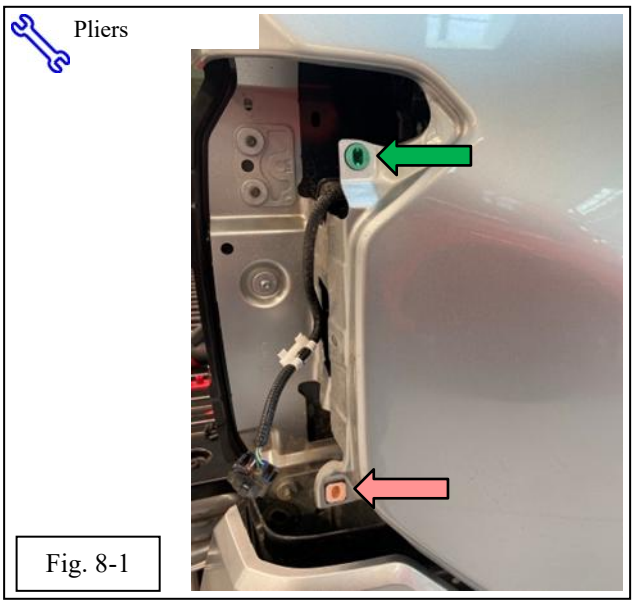

Fig. 8-1

8. Re-Assemble Vehicle

(a) Remove the rear combination lamp guides (clips) by squeezing the clips on the backside with a set of pliers.
Replace with the parts provided in the CHMSL Kit (Fig. 8-1).

NOTE: These parts are non-reusable. Attempting to re-use previously installed parts may cause rear combination lamp fitment issues.

The green part is installed in the upper location while the pink part is installed in the lower location.

RH shown, repeat for LH side.

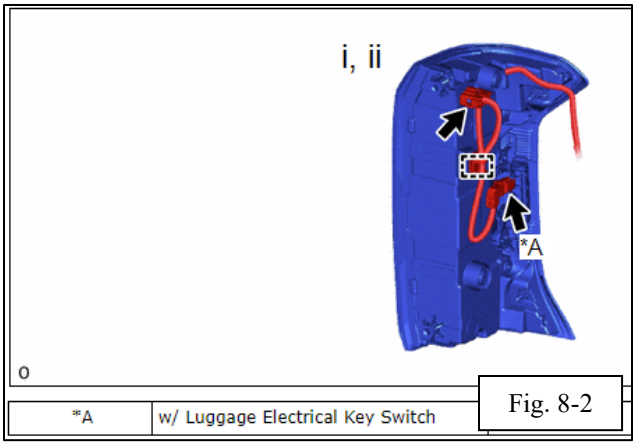

Fig. 8-2

(b) Re-install rear combination lamps. Attach the wire harness clip and connectors (Fig. 8-2) before inserting rear combination lamp into the guides attached to the body.

NOTE: Be sure to re-attach all applicable wire harness connectors prior to attaching part to vehicle. Vehicles with automatic tailgate will have a second connector for the switch integrated in the rear combination lamp.

RH shown, repeat for LH side.

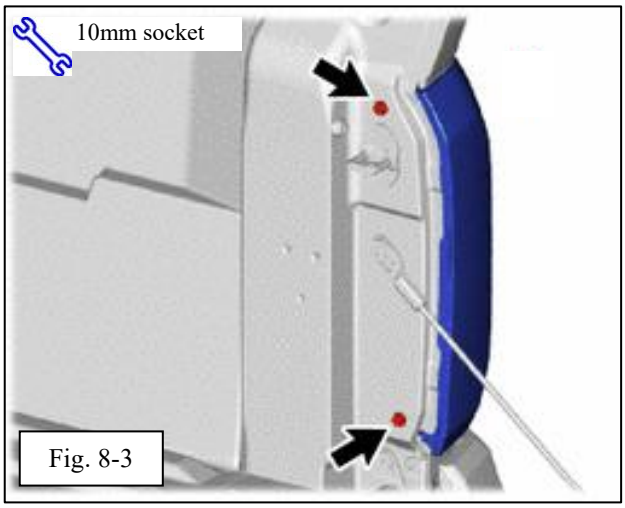

Fig. 8-3

(c) Install the previously removed fasteners to attach the rear combination lamps to the D-Pillar using a 10mm socket (Fig. 8-3).

Torque: 5 Nm (44 in lb)

NOTE: RH shown, repeat for LH side.

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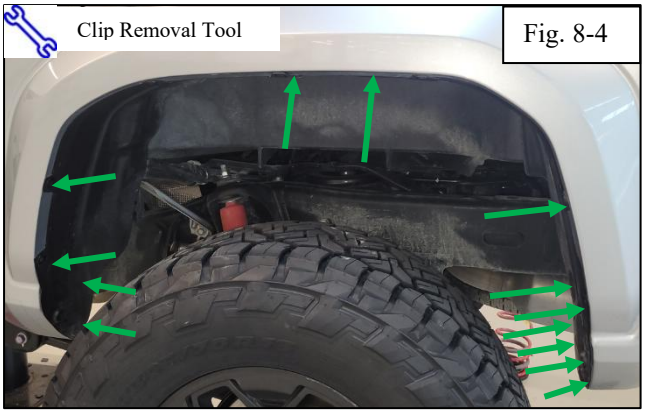

Fig. 8-4

(d) Re-install the rear fender liner(s) with 13 clips (Fig. 8-4).

NOTE: If a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed, both LH and RH rear fender liners require re-installation. If not, only the LH rear fender liner requires re-installation.

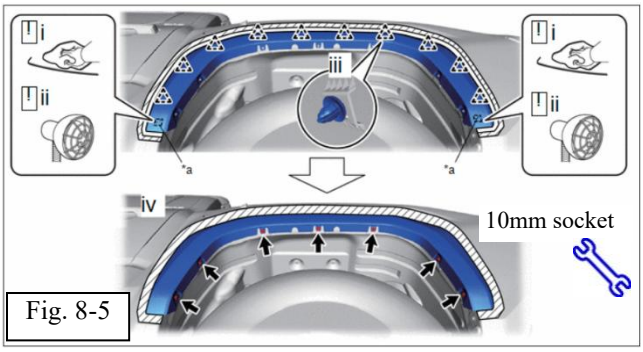

Fig. 8-5

(e) If equipped, re-install the rear overfender(s) using a 10mm socket (Fig. 8-5).
Clean the surface of the quarter panel and overfender.
Heat the quarter Panel and overfender using a heat light.
Standard temperature values:
Quarter panel: 40° to 60° C
Overfender: 20° to 30° C
Ensure all clips are attached to the overfender.
Install the 7 screws previously removed.

NOTE: LH shown, repeat for RH side if a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed.

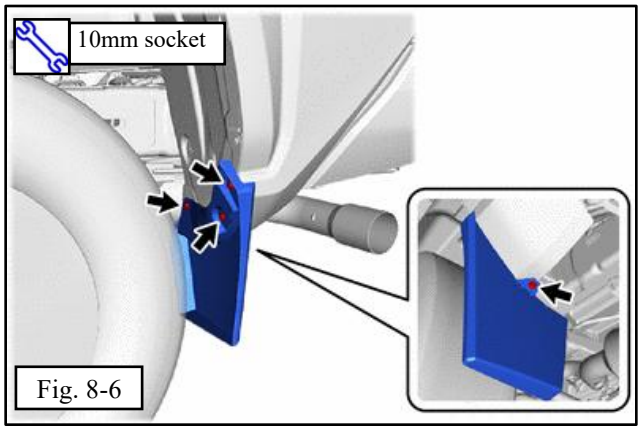

Fig. 8-6

(f) If equipped, re-install the rear mudguard(s) using a 10mm socket (Fig. 8-6).

NOTE: LH shown, repeat for RH side if a Heavy Duty Kit (PT989-3524C or PT989-3524D) is being installed.

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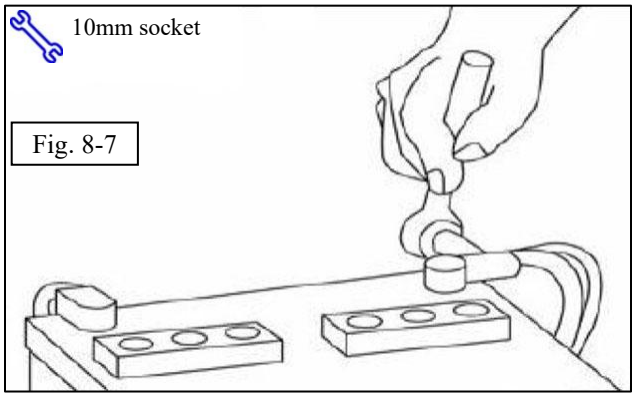

Fig. 8-7

(g) Reconnect the negative cable for 12V battery using a 10mm socket (Fig. 8-7).

Torque: 5.4 Nm (48 in lb)

Fig. 8-8

(h) For Double Cab vehicles, lower the rear seat bottom to its original position.
If the vehicle is a hybrid, install the 3 clips for the rear seat bottom (Fig. 8-8).

(i) Remove all vehicle protection.

NOTE: Carefully check the entire vehicle considering areas such as the rear cab protection, rear combination lamps, and rear quarter panels.

NOTE: If equipped with power tailgate, close tailgate using close/open button prior to removal of the short pin. Proceed to next step.

9. Remove Short Pin

(a) After install, remove short pin.

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Checklist - these points **MUST** be checked to ensure a quality installation.

Check:	Look For:
Accessory Function Checks	Removed items have been discarded & replaced items are in place
☐ Verify parts	
☐ CHMSL	R Ensure Bed Rack CHMSL illuminates when brake pedal is depressed
‖ ☐ Short Pin removal	‖ Ensure short pin has been removed following accessory installation
Vehicle Function Checks	
☐ Rear Combination Lamp (RCL)	R Confirm all functions of RCL (low-beam illumination, brake illumination, turn signal, emergency flasher, and reverse)
☐ Power tailgate (if equipped)	Ensure power tailgate functions when using the button in the RCL
☐ Tailgate to rear post clearance	Ensure that when closing the tailgate that contact to the rear mount posts does not occur.
☐ Bed Rack Fr Mount Post to Cab clearance	Confirm that there is approximately 20mm of clearance between front mount posts and cab of vehicle (all along length of parts).
Vehicle Appearance Check	
☐ After accessory installation and removal of protective cover(s), perform a visual inspection.	Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMNA Accessory Quality Shipping Standard.)

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SAFETY NOTES:

- Never exceed the manufacturer's bed rack load limit (see Pages 2 and 3). Consult vehicle owner's manual for additional cargo carrying information.
- Maximum dynamic load capacity is to be followed when vehicle is in motion.
- Maximum static load capacity is allowable when vehicle is stationary on level ground.
- The load must be evenly distributed over the area of the bed rack. The center of gravity of the load must be kept as low as possible.
- The handling characteristics of the vehicle will change when a l load is installed. Driving techniques should be altered to suit this changed condition when, for example, braking and cornering.
- Operation of the vehicle with bed rack installed may cause a noticeable change in cabin noise.

TOYOTA

Toyota Tacoma 2024-

Bed Rack
User's Manual

Support de caisse
Manuel de

CONSIGNES DE SÉCURITÉ

- Ne jamais dépasser la limite de charge du support de caisse du fabricant (voir pages 2 et 3). Pour de plus amples détails sur le transport de cargaisons, consulter le manuel du propriétaire.
- La capacité de charge dynamique maximale doit être respectée lorsque le véhicule est en mouvement.
- La capacité de charge statique maximale est autorisée lorsque le véhicule est à l'arrêt sur un sol de niveau.
- La charge doit être répartie uniformément sur la surface de la caisse. Le centre de gravité de la charge doit être maintenu aussi bas que possible.
- Les caractéristiques de maniabilité du véhicule changent lorsqu'une charge est installée. Les techniques de conduite doivent être modifiées pour s'adapter à ces nouvelles conditions, par exemple lors du freinage et dans les virages.
- L'utilisation du véhicule avec un support de caisse installé peut entraîner un changement notable du bruit dans l'habitacle.

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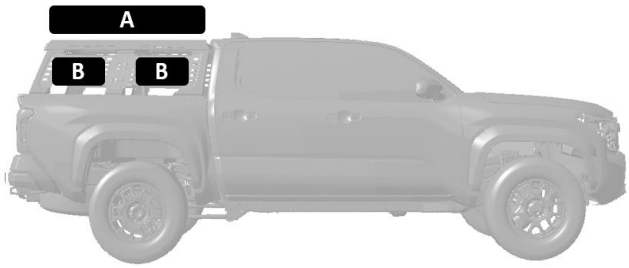
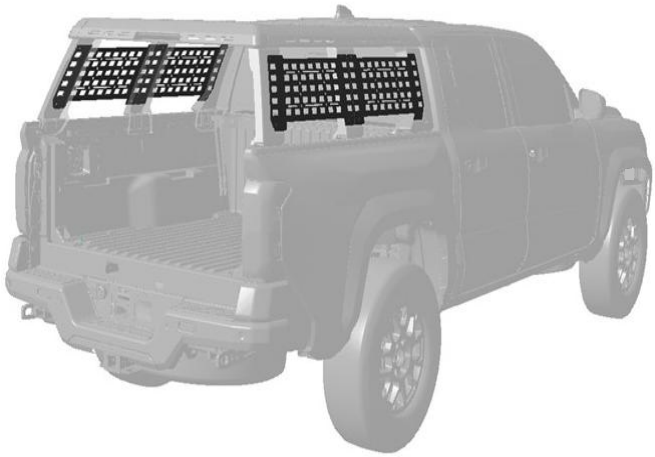
Static Load Capacity	Capacité de charge statique
A (Top Load) 600 lbs B (Molle Panel Load [if equipped]) 25 lbs per panel	A (Charge supérieure) 272 kg B (Charge des panneaux Molle [le cas échéant]) 11 kg par panneau

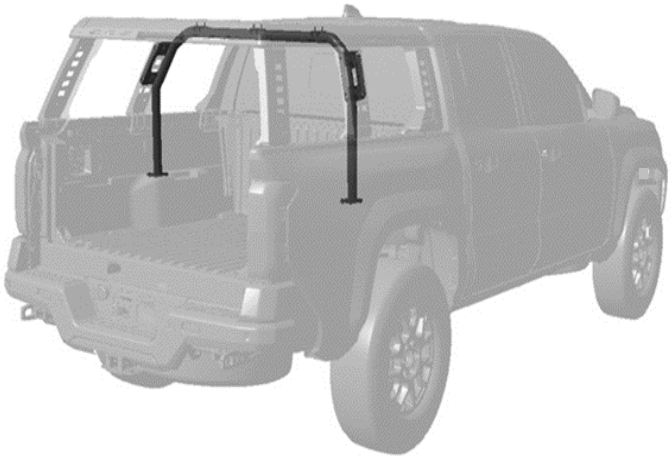
Dynamic Load Capacity	Capacité de charge dynamique
A (Top Load) 100 lbs 200 lbs (*only when optional Heavy Duty Kit is installed*) B (Molle Panel Load [if equipped]) 25 lbs per panel	A (Charge supérieure) 45 kg 90 kg (*seulement lorsque la trousse de service intensif en option est installée*) B (Charge des panneaux Molle [le cas échéant]) 11 kg par panneau



A: Top Load (applied to top panel of Bed Rack)
B: Molle Panel Load
A : Charge supérieure (appliquée sur le panneau supérieur du support de caisse)
B : Charge des panneaux Molle
See page 4 for additional loading detail / Voir la page 4 pour de plus amples détails sur la charge.



Bed Rack Molle Panel Kit /
Trousse de panneaux Molle pour support de caisse
PT989-35248 (5 foot bed / Caisse de 5 pi)
PT989-35249 (6 foot bed / Caisse de 6 pi)



Bed Rack Heavy Duty Kit /
Trousse de service intensif pour support de caisse
PT989-3524C (5 foot bed / Caisse de 5 pi)
PT989-3524D (6 foot bed / Caisse de 6 pi)

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