



INSTALLATION GUIDE

2019+ RAM 1500 FRONT BUMPER

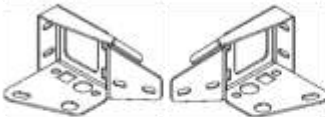
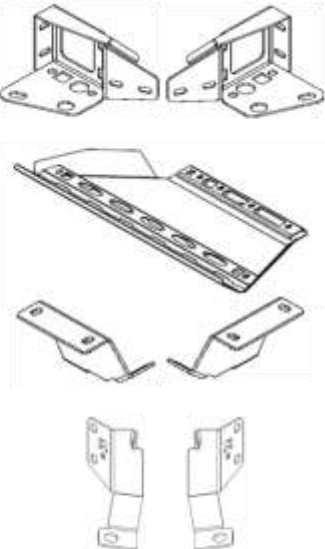
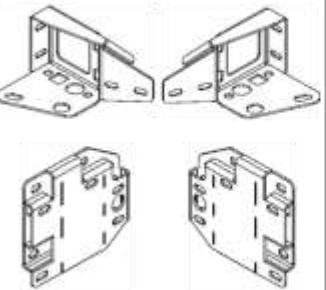
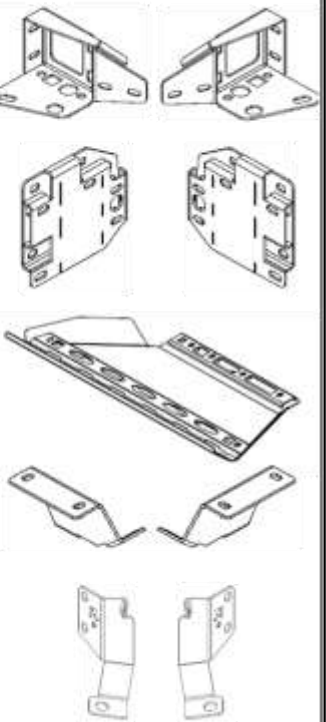


NOTE

!!!

VEHICLE SPECIFIC HARDWARE
DOUBLE CHECK YOUR MODEL/ENGINE & ORDER

!!!

REBEL GAS	REBEL DIESEL	NON-REBEL GAS	NON-REBEL DIESEL
			

SKILL LEVEL - ★★★★★

- 1 STAR ★☆☆☆☆
- 2 STARS ★★☆☆☆
- 3 STARS ★★★☆☆
- 4 STARS ★★★★☆
- 5 STARS ★★★★★

- EASY - No tools required
- BASIC - Requires standard tools, basic mechanical knowledge and understanding
- MODERATE - Requires standard tools. Some drilling and/or cutting.
- ADVANCED - Requires speciality tools. Drilling, cutting, and/or welding
- EXPERT - Professional installation recommended.

DISCLAIMER

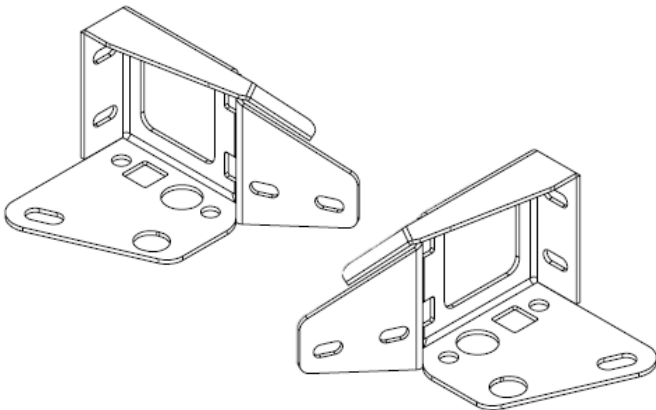
Expedition One is not responsible for any damages to vehicle or injury.
We always recommend professional assistance when installing our vehicle products.

Always follow safety precautions including the use safety gear and devices.

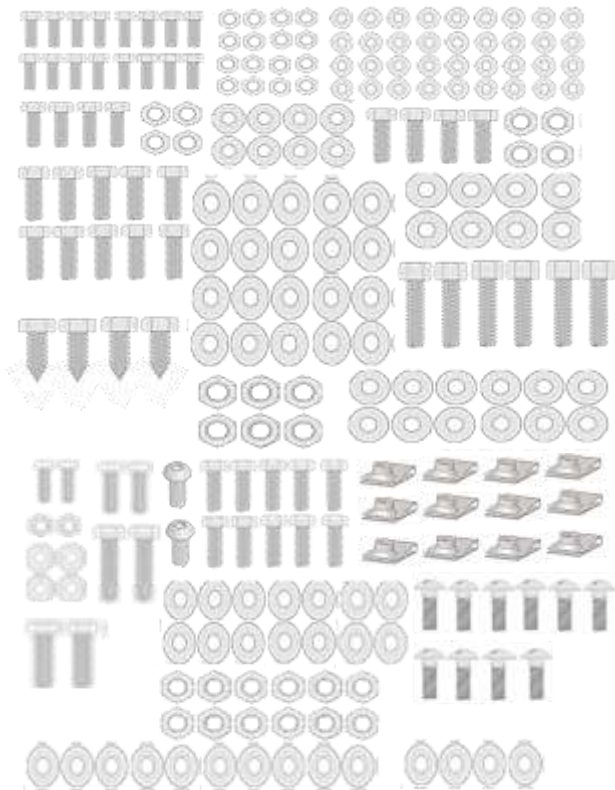
HARDWARE

ITEMS	QTY
FRONT BUMPER	1
A MOUNTNG BRACKETS	2
B FRONT MOUNTING HARDWARE	
1/4"-20 X 1" Hex Cap Bolts	16
1/4"-20 Nylock Nuts	16
1/4" X 0.625" SAE Washers	32
5/16"-18 X 1" Hex Cap Bolts	8
5/16"-18 X 2" Hex Cap Bolts	2
5/16"-18 Nyloc Nuts	10
5/16" X 0.875" USS Washer	12
3/8" Self Tapping Screws	4
3/8"-16 X 3/4" Hex Cap Bolts	4
3/8"-16 X 1 1/4" Hex Cap Bolts	10
3/8"-16 X 1 1/4" Button Head Bolts	2
3/8"-16 Nylock Nuts	4
3/8"-16 Clip Nuts (Long)	12
3/8" X 1.000 USS Washer	22
1/2"-13 X 1 1/2" Hex Cap Bolts	10
1/2"-13 X 1 1/2" CarriageBolts	10
1/2"-13 Nylock Nuts	22
1/2" X 1.375" USS Washers	24
1/2" Interlocking Tooth Lock Washers	10
5/8"-11 X 2" Hex Cap Bolts	6
5/8"-11 Nylock Nuts	6
5/8" X 1.750" USS Washers	12
M10-1.5 X 30mm Hex Cap	2
M12-1.75 X 50mm Hex Cap	2

A



B



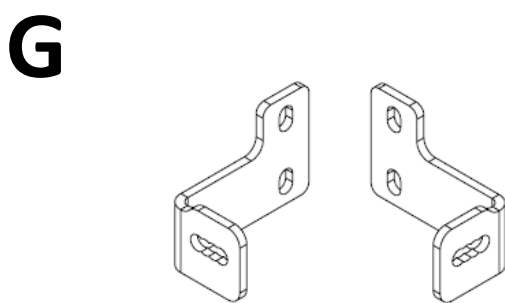
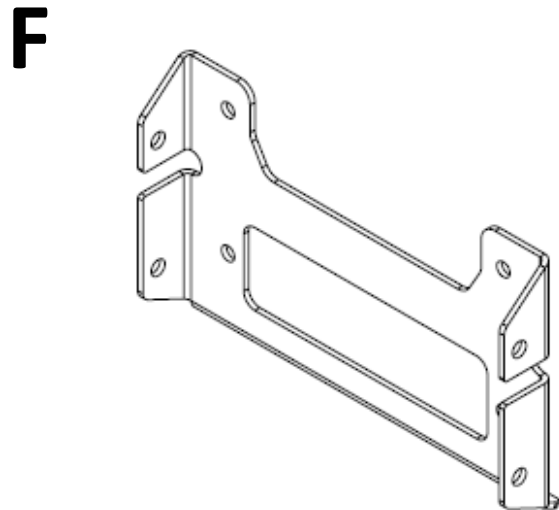
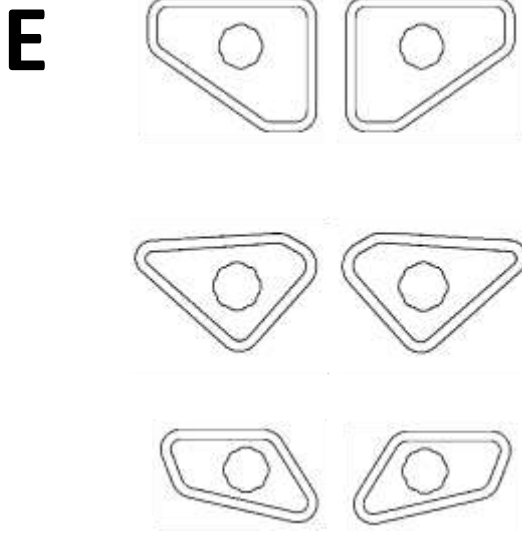
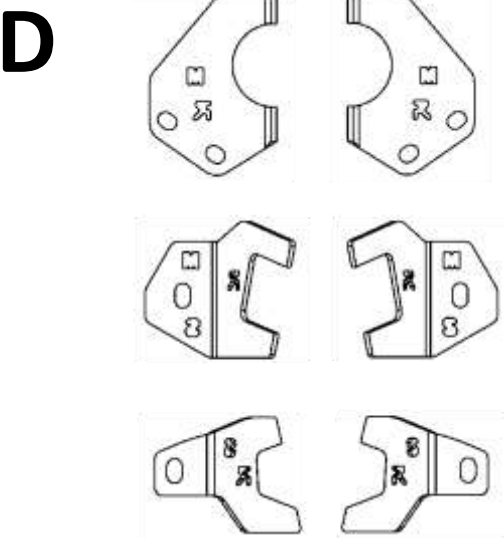
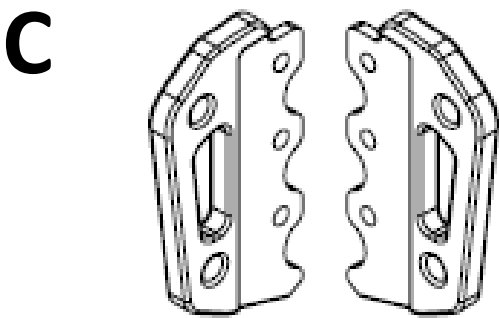
NOTE



EXTRA HARDWARE MAY BE LEFT OVER DUE TO MODEL OR ENGINE SPECIFIC
HARDWARE THAT MAY NOT BE REQUIRED FOR YOUR VEHICLE



ITEMS	QTY
C CLEVISES - SIDES A + B	2
D SENSOR BRACKETS	6
E SENSOR PLATES	6
F WINCH MOUNT	1
G LIGHT BAR MOUNTS	2



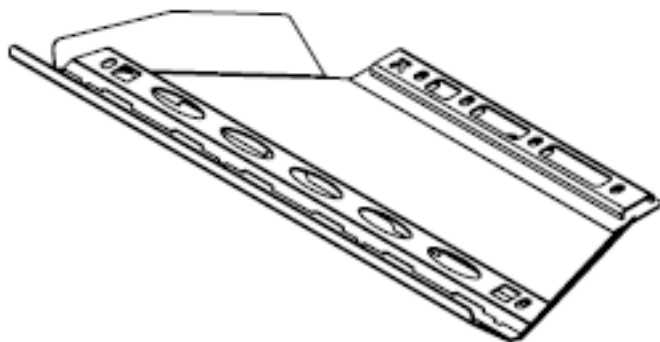
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VEHICLE SPECIFIC HARDWARE
DOUBLE CHECK YOUR MODEL/ENGINE & ORDER

!!!

ITEMS	QTY
H DIESEL ONLY – SKID PLATE	1
I DIESEL ONLY – SKID PLATE BRACKETS	2
J DIESEL ONLY – INTERCOOLER MOUNTS	2
K NON REBEL – DROP SPACERS	2

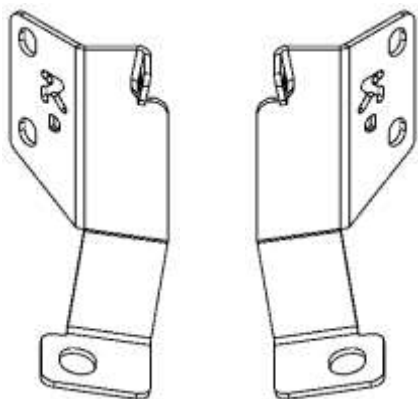
H



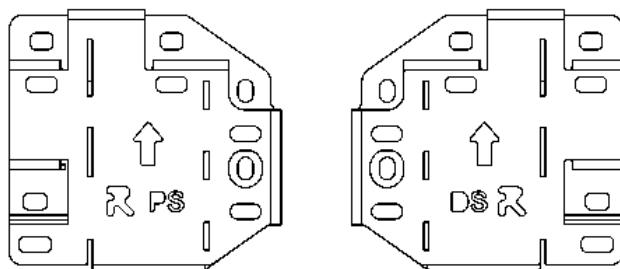
I



J



K



INSTALLATION

1 REMOVE OEM BUMPER

- Remove bolts on the outside edge of the wheel liner and loosen the 2 bolts inside to slide out. Keep these for modification should you choose to reinstall them.
- Disconnect the wiring loom on the drivers side.
- Remove the frame bolts (3 ea. side) to remove the bumper.
- Check for any remaining hardware or connections before removing the bumper.
- Diesel models will require the remove of the automated air dam if equipped.



2 REMOVE THE BUMPER

Varied models and trims may require rotating and pulling the bumper away to avoid hanging up on the grill or other parts

3 OEM BUMPER HARDWARE REMOVAL

Disconnect the cornering lights if applicable and remove both top and bottom bolts. Repeat for each side.

Varied models and trims may require removal of other parts to access the lights or hardware



Remove the wiring loom and sensors by disassembling the cover and clips located on the inside of the bumper.



At this time remove the hardware holding the front shackles or tow hooks to the front frame rails. Slide the shackles or hooks out and remove the hardware for use later installing the front mounting brackets.

Varied models and years may have different mounting styles for these shackles or tow hooks. Loosen or remove the hardware if possible. The brackets are design to accommodate either type pending any new changes by the manufacture of the vehicle

!!! MODEL SPECIFIC HARDWARE !!!

3 CONTINUED - OEM BUMPER HARDWARE REMOVAL

Unbolt and drop the intercooler. Remove the brackets from the frame as the mounting brackets will use this location. The intercooler will be reinstalled later, we recommend resting it on something to avoid disconnecting or stretching connections

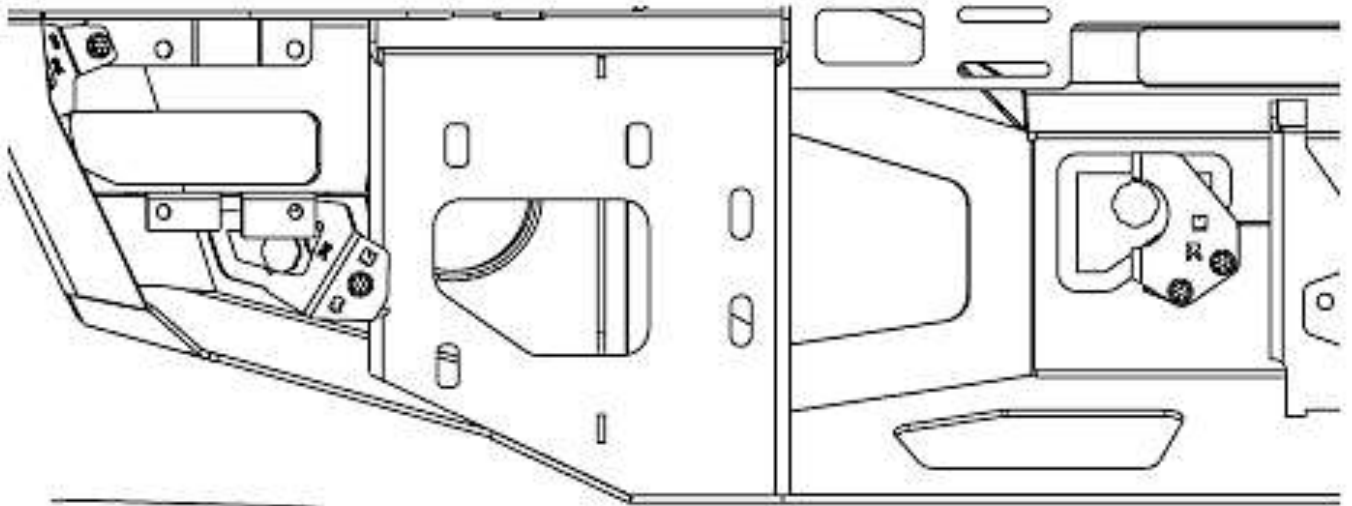


**ALL DIESEL MODELS
INTERCOOLER MOUNT LOCATION**

4 PARKING SENSOR INSTALLATION

Place the parking sensor plate into the matching slot. Next install the parking sensor bracket as shown and mount with the provided 1/4" hardware (mounting location as circled).



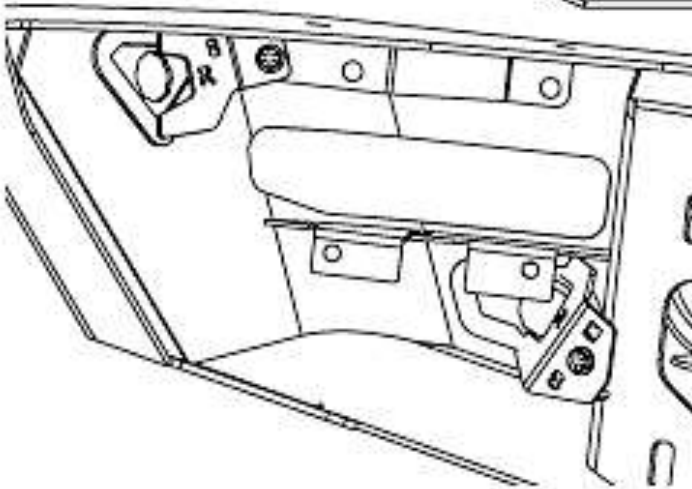


LOCATIONS

M - Center section

M/S - Under the Cornering Lights

S - Side locations



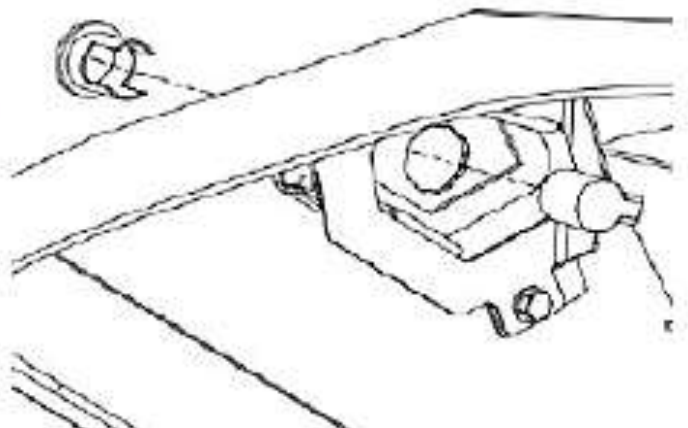
Brackets may require additional bending or adjustment to hold the sensor plates in place due to manufacturing variables

1/4"-20 X 1" Hex Cap Bolts	8
1/4"-20 Nylock Nuts	8
1/4" X 0.625" SAE Washers	16

PARKING SENSOR INSTALLATION

Replace OEM parking sensor bezels or plugs into the plate openings before connecting the parking sensors during wiring loom installation

Bezels purchased separately.



5 CORNING LIGHT INSTALLATION

Trim the tabs on both cornering lights by removing the edges to create a flat mounting surface.



Mount the cornering lights as shown using the supplied 1/4" hardware.



1/4"-20 X 1" Hex Cap Bolts	8
1/4"-20 Nylock Nuts	8
1/4" X 0.625" SAE Washers	16

Due to manufacturing processes of the bumper, the cornering lights will NOT sit flush with the opening
Mount as evenly as possible.

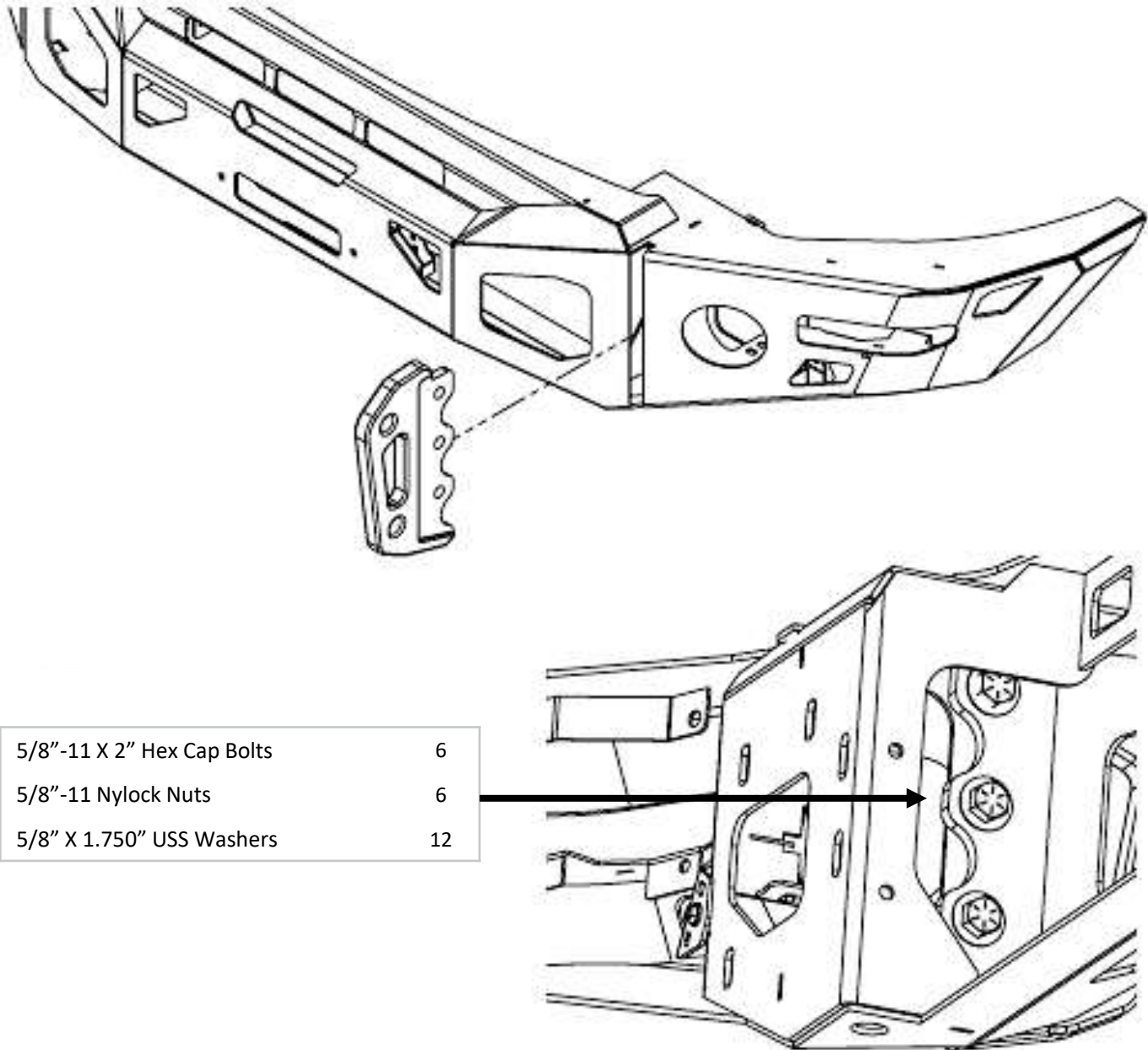
Varied models and years may have different tabs and may not mount flush

6 WIRING HARNESS INSTALLATION

Place the OEM wiring harness into the bumper, threading the wiring through so that connectors match their respective positions. Make sure the wiring harness connector is located on the driver's side of the vehicle. Reattach all 6 parking sensors and both cornering light connectors. Avoid placing the wiring harness near mounting holes and visible cutouts.

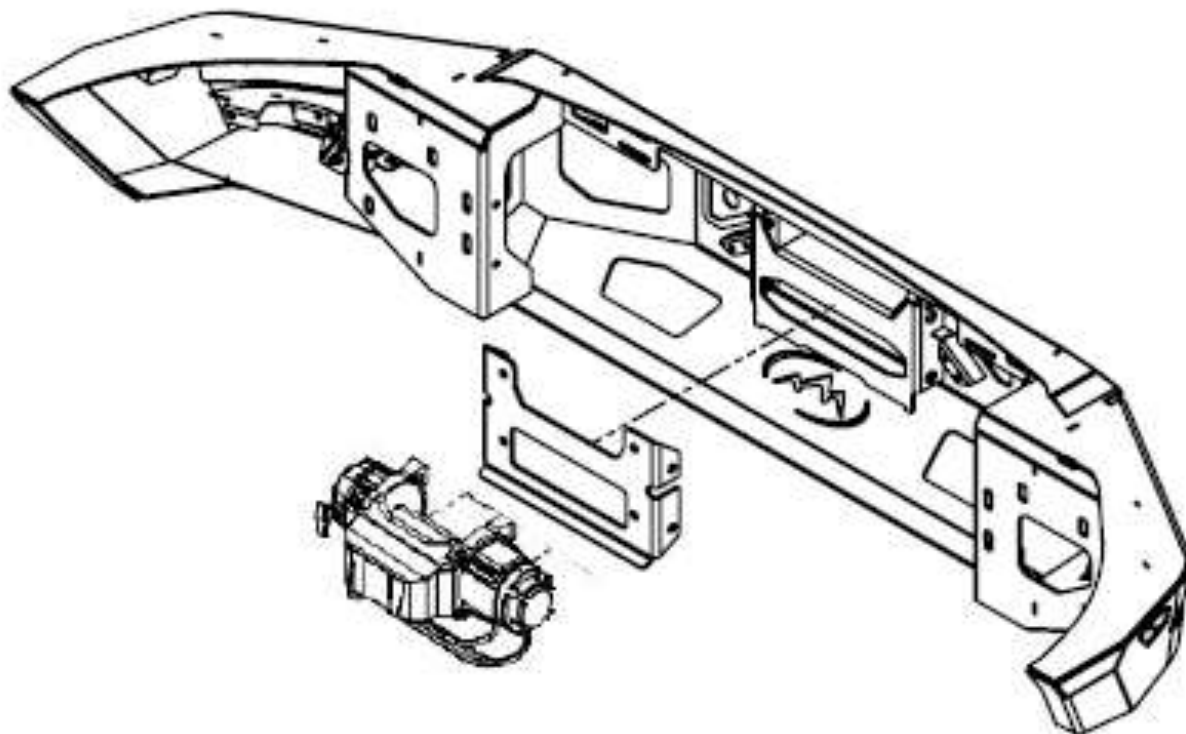
7 CLEVIS INSTALLATION

Mount the clevises using the supplied 5/8" hardware as shown below

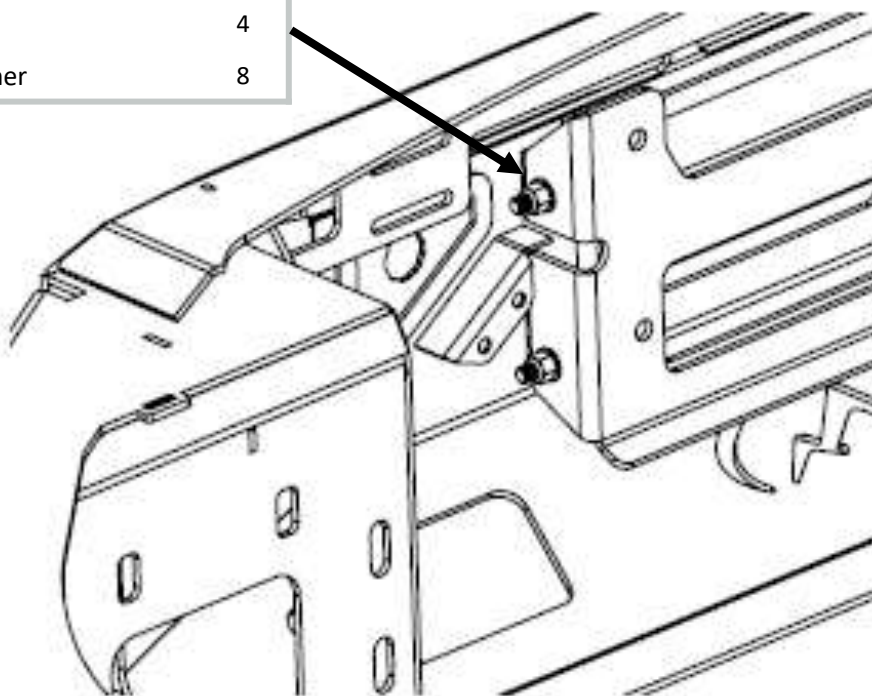


8 WINCH INSTALLATION

Mount the winch using the winch supplied hardware to the winch plate. Once attached mount the winch plate with the provided 3/8" hardware.



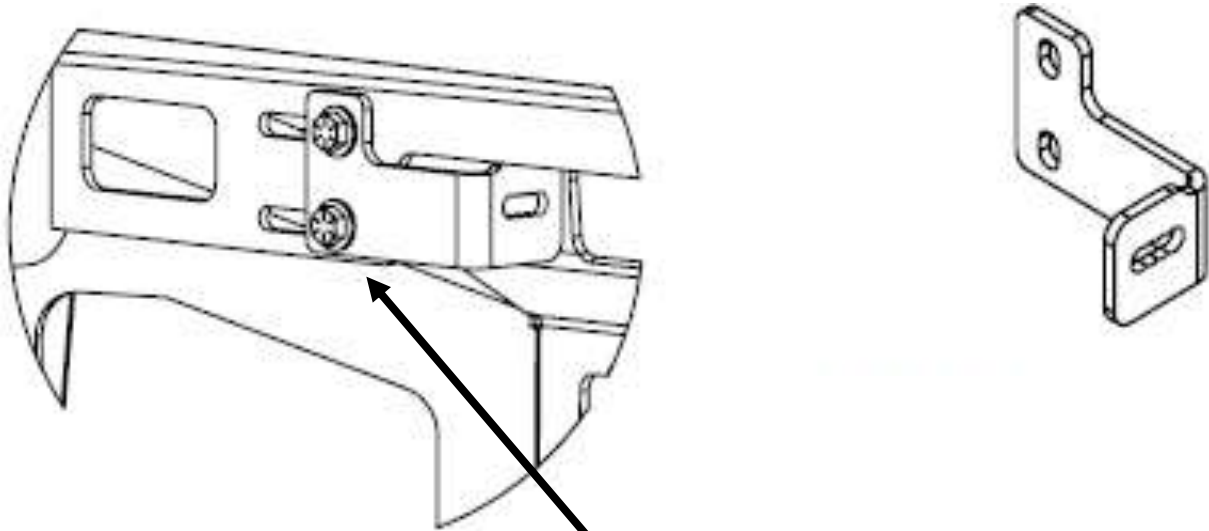
3/8"-16 X 1 1/4" Hex Cap Bolts	4
3/8"-16 Nylock Nuts	4
3/8" X 1.000 USS Washer	8



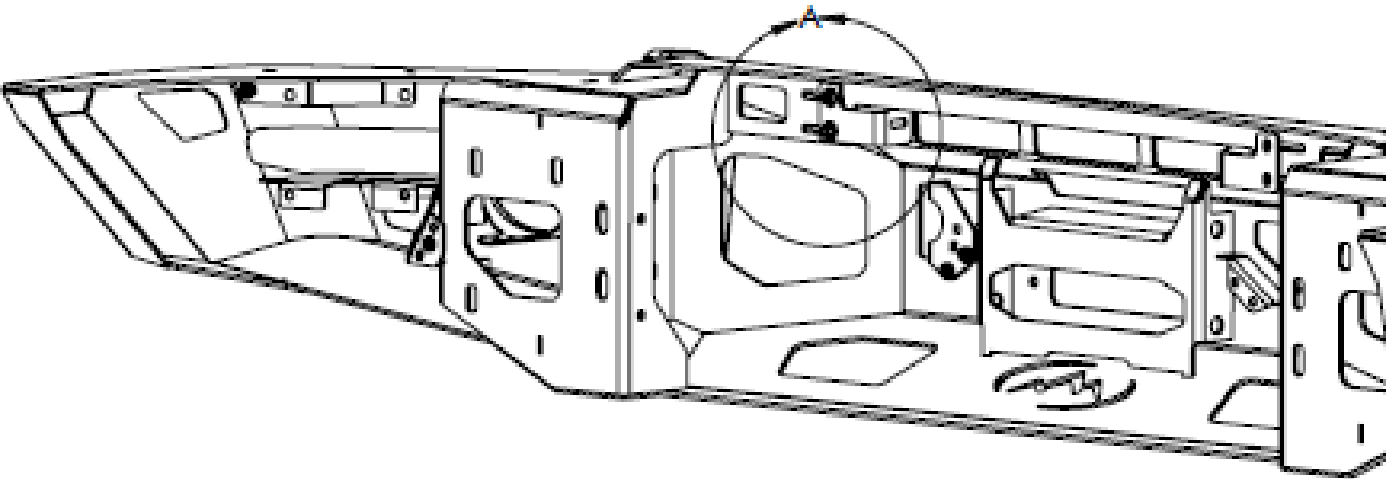
9 LIGHT BAR BRACKETS

OPTIONAL

Attach the light bar to the brackets using the light bar manufactured supplied hardware. Mount to the bumper using the provided 5/16" hardware.



3/8"-16 X 1 1/4" Hex Cap Bolts	4
3/8"-16 Nylock Nuts	4
3/8" X 1.000 USS Washer	8



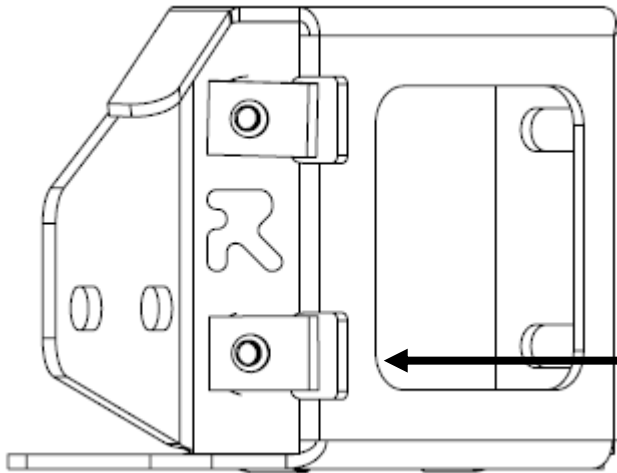
Fitment and mounting may not work with all lights

!!! MODEL SPECIFIC HARDWARE !!!

10 MOUNTING BRACKETS TO THE FRAME

Attach the following hardware shown below if applicable.

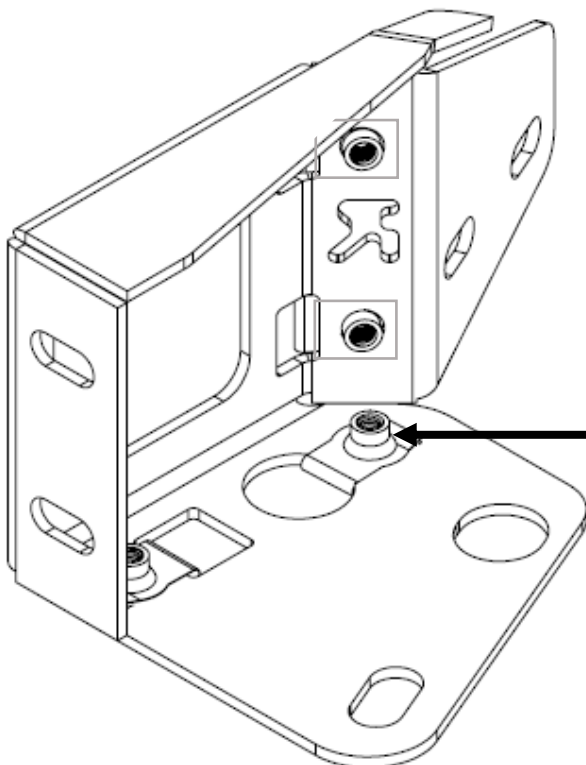
Attach the clip nuts to both brackets as shown below.



**ALL DIESEL MODELS
INTERCOOLER MOUNT LOCATION**

3/8"-16 Clip Nuts (Long)

4



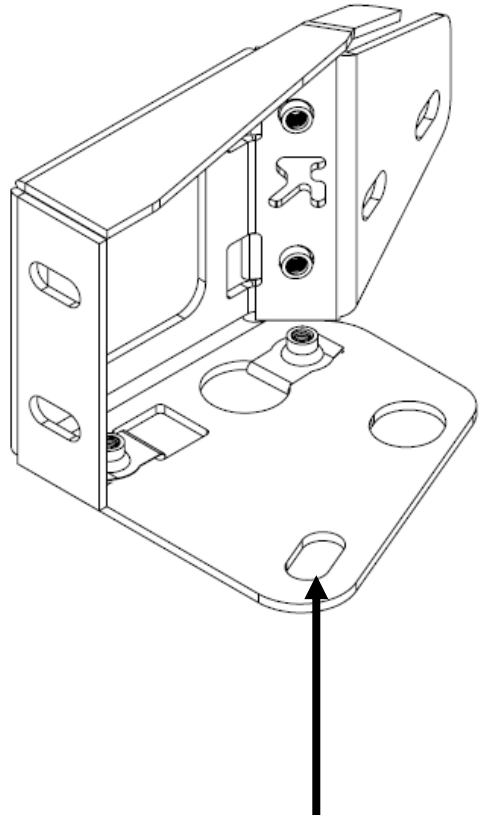
**ALL DIESEL MODELS
SKID PLATE BRACKET LOCATION**

3/8"-16 Clip Nuts (Long)

4

10 CONTINUED - MOUNTING BRACKETS TO THE FRAME

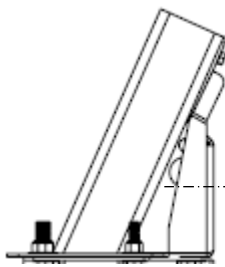
Using the front shackles or tow hook locations align the front bumper brackets with the frame and mount using the OEM hardware removed in step 3. Once in place use the provided 3/8" self tappers to attach the bracket to the frame's side (pre drill the locations if needed). Leave the hardware loose for adjustment while mounting the bumper.



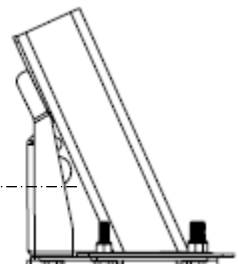
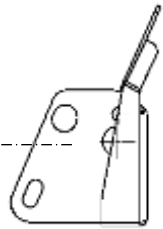
OEM HARDWARE

4

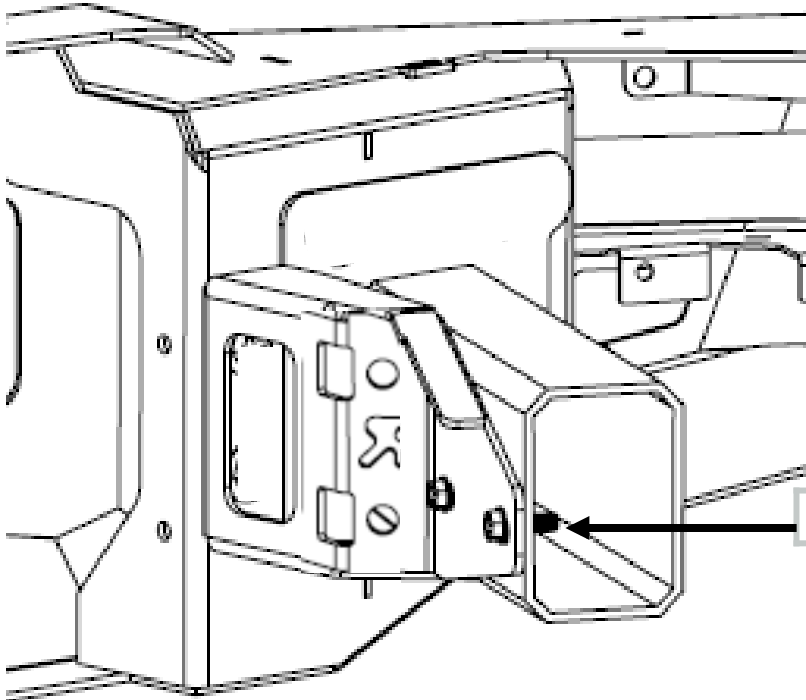




PASSENGER SIDE



DRIVER SIDE



3/8" Self Tapping Screws

4



At this time check that the OEM frame openings (circled) will fit the bumpers 1/2" mounting hardware.

Drill out if needed.

Use touch up paint or similar covering to prevent rust.


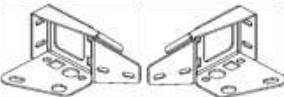
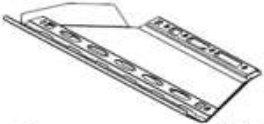

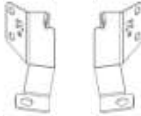
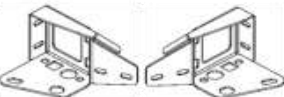
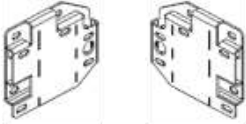
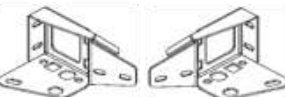
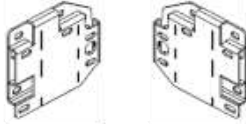
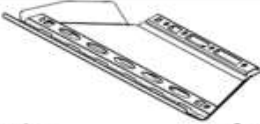

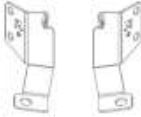
!!! MODEL SPECIFIC HARDWARE !!!

REBEL GAS
CONTINUE TO THE NEXT PAGE

OTHER MODELS/ENGINES

ALL DIESEL MODELS
SKIP TO STEP 14

NON REBEL GAS MODELS
SKIP TO STEP 17

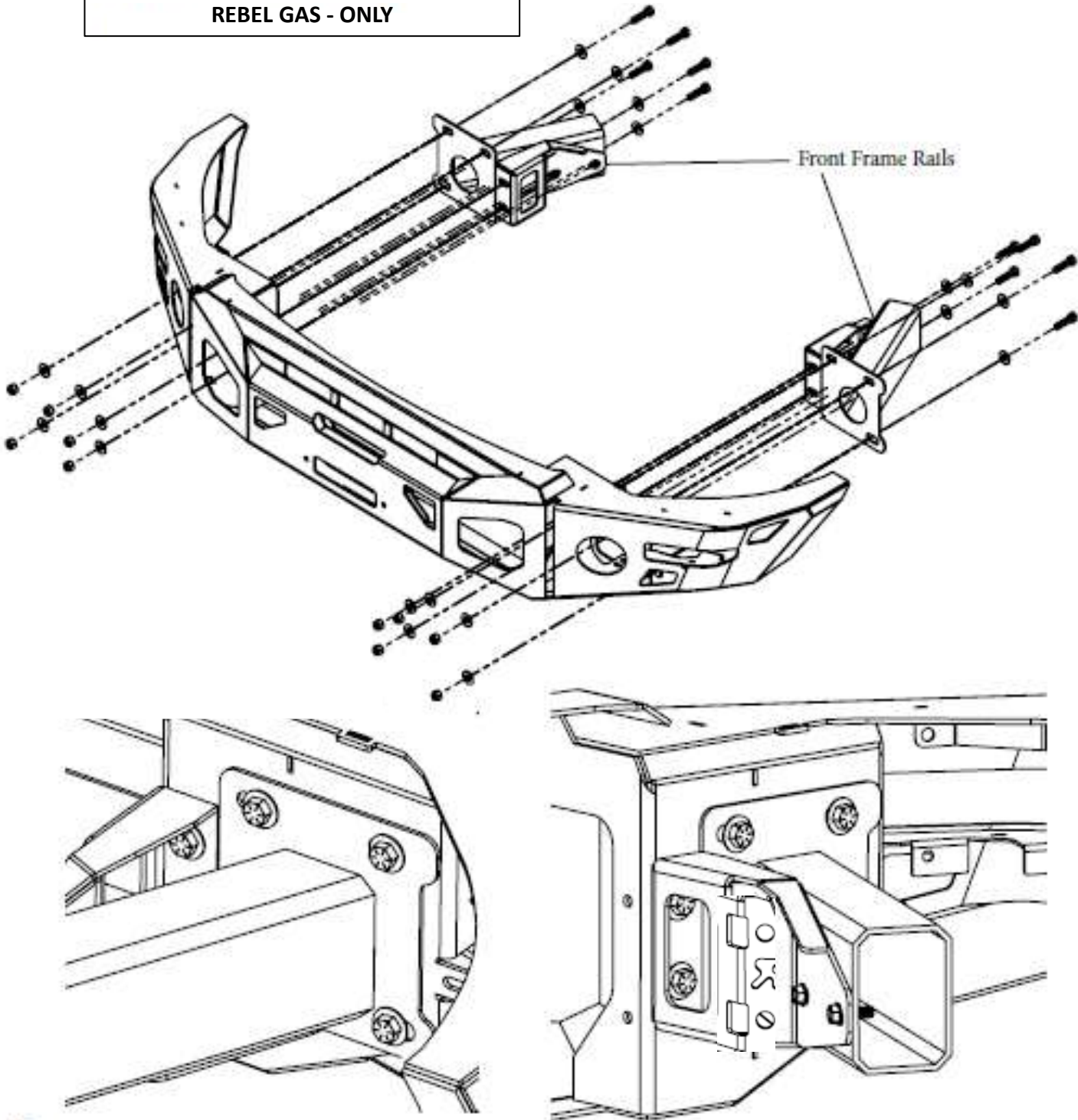
REBEL GAS	REBEL DIESEL	NON-REBEL GAS	NON-REBEL DIESEL
	   	 	    

!!! MODEL SPECIFIC HARDWARE !!!

11 INSTALLATION OF FRONT BUMPER

Center the bumper with the vehicle and align gaps between the grille and bumper to your preference before mounting. Mount the front bumper using the supplied 1/2" front bumper hardware as shown below.

REBEL GAS - ONLY



!!! MODEL SPECIFIC HARDWARE !!!

REBEL GAS - ONLY

12 TIGHTEN ALL HARDWARE

Check that all hardware is tightened including all brackets and mounting locations.

13 RECONNECT WIRING HARNESS

Reconnect the parking sensor and cornering light wiring harness to the vehicles electronics and secure all loose wiring. Check that everything is working and adjust if needed before driving on the road.

ADDITIONAL LINKS

<https://www.exp-one.com/wp-content/uploads/2016/10/Proper-Care-and-Maintenance.pdf>

<https://www.exp-one.com/wp-content/uploads/2016/10/Paint-touch-up-instructions.pdf>

<https://www.exp-one.com/wp-content/uploads/2018/02/Exp-One-2016-TC-word-doc.pdf>

REBEL GAS COMPLETED

OTHER MODELS/ENGINES

**ALL DIESEL MODELS
STARTS NEXT PAGE STEP 14**

**NON REBEL GAS MODELS
SKIP TO STEP 17**

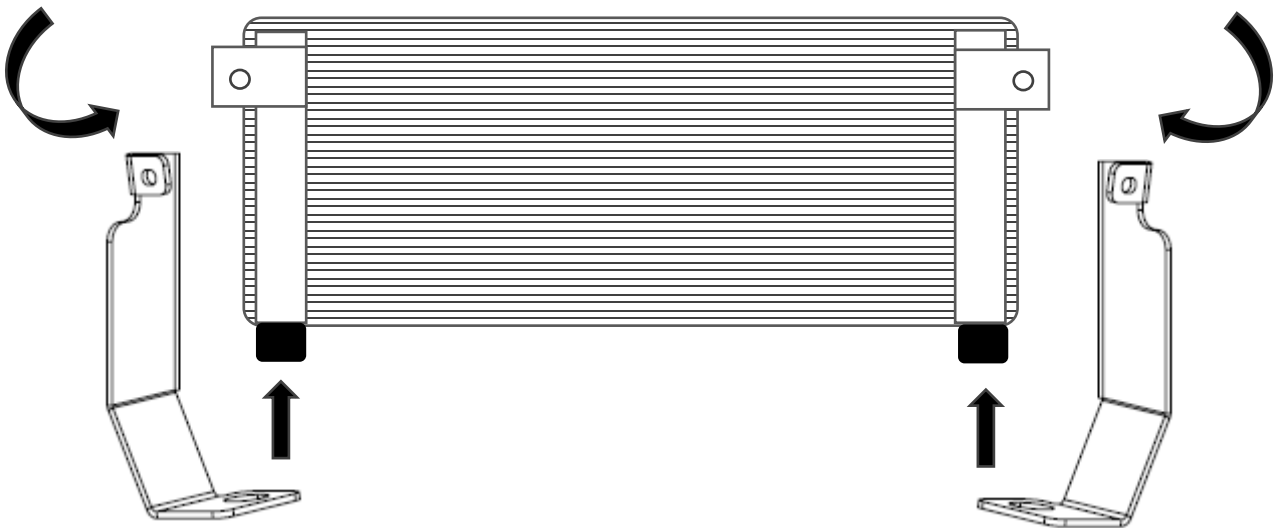
!!! MODEL SPECIFIC HARDWARE !!!

OTHER MODELS/ENGINES CONTINUES FROM STEP 10

14 INTERCOOLER BRACKETS

Attach the intercooler brackets as shown below to the intercooler. Insert the bottom rubber stops into the slots at the bottom of the bracket, then rotate the tab over the bolts in the top corners of intercooler. Do not mount any hardware at this time.

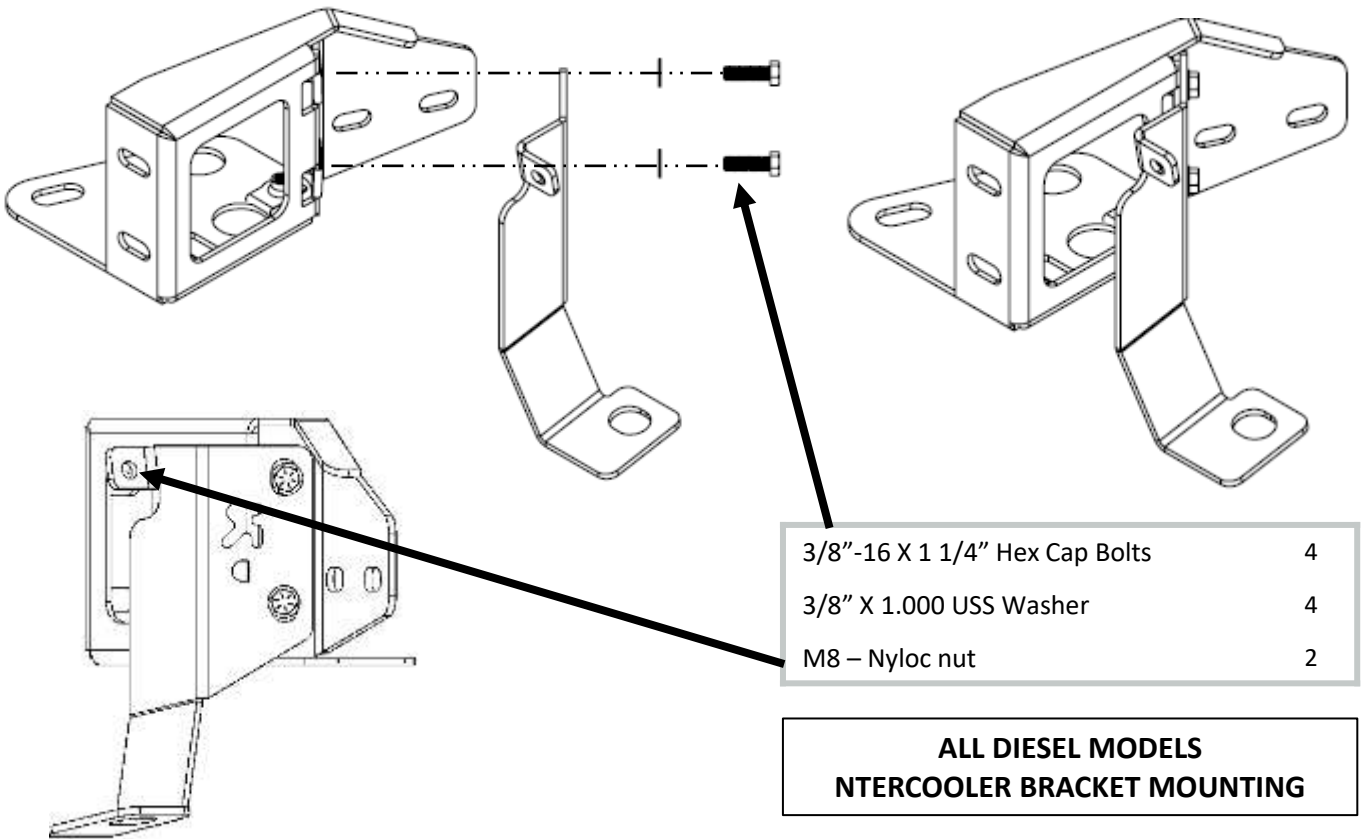
**ALL DIESEL MODELS
INTERCOOLER BRACKET MOUNTING**



!!! MODEL SPECIFIC HARDWARE !!!

14 CONTINUED - INTERCOOLER BRACKETS

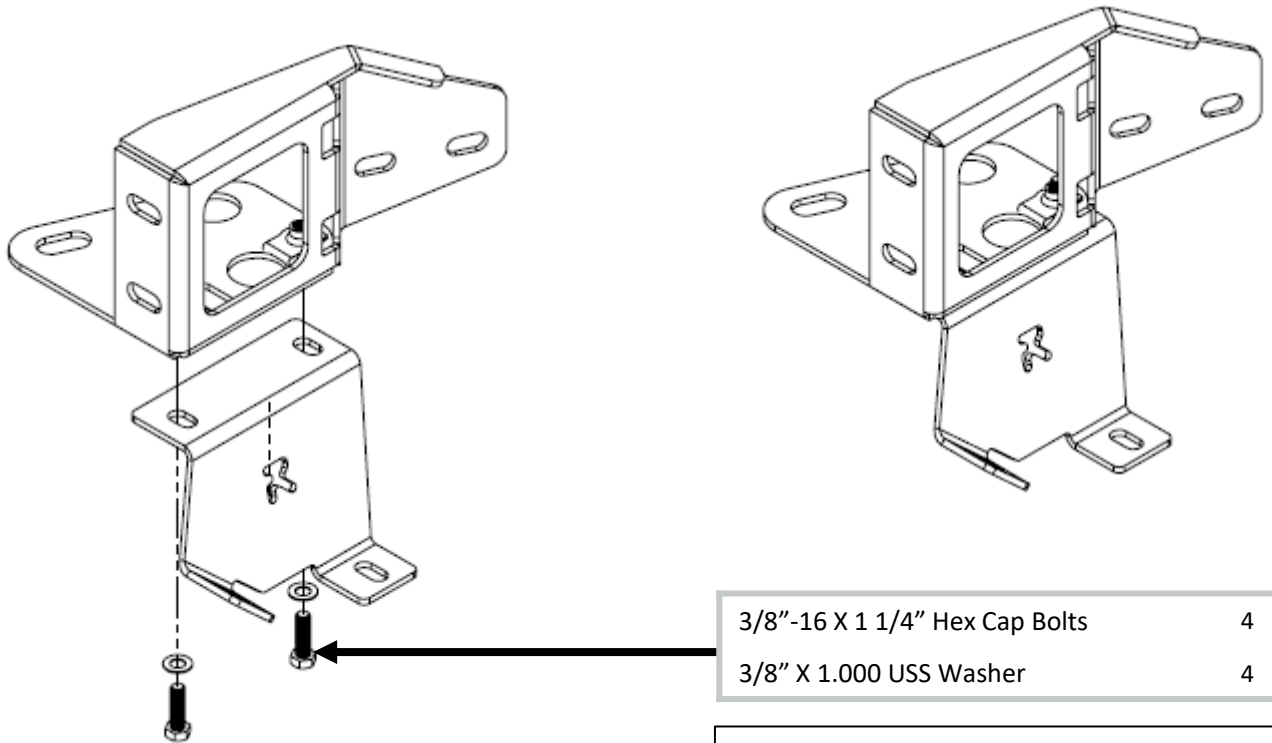
With the intercooler loosely attached to the brackets mount as shown below to the frame brackets using the provided 3/8" hardware. Once in place use the M8 nyloc nut to attach the intercooler to the brackets. Leave the hardware loose for adjustment while mounting the bumper.



!!! MODEL SPECIFIC HARDWARE !!!

15 SKID PLATE BRACKETS

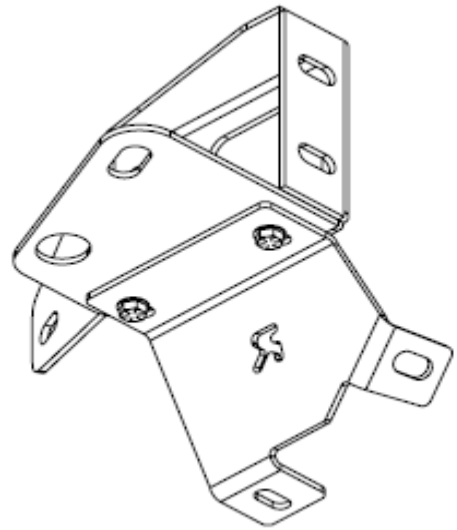
Mount the skid plate brackets as shown below to both frame mounts using 3/8" hardware. Leave the hardware loose for adjustment while mounting the bumper and skid plate.



**ALL DIESEL MODELS
SKID PLATE BRACKET MOUNTING**



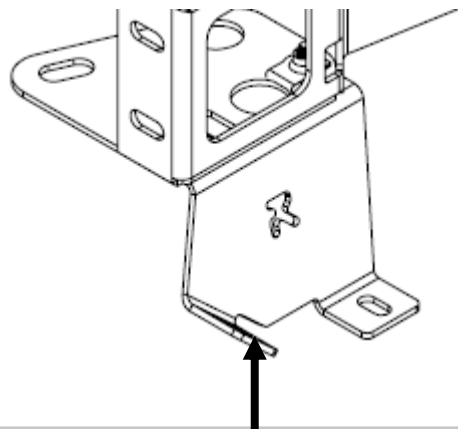
!!! MODEL SPECIFIC HARDWARE !!!



Attach the clip nuts to both brackets as shown below.



**ALL DIESEL MODELS
SKID PLATE BRACKET MOUNTING**



3/8"-16 Clip Nuts (Long)

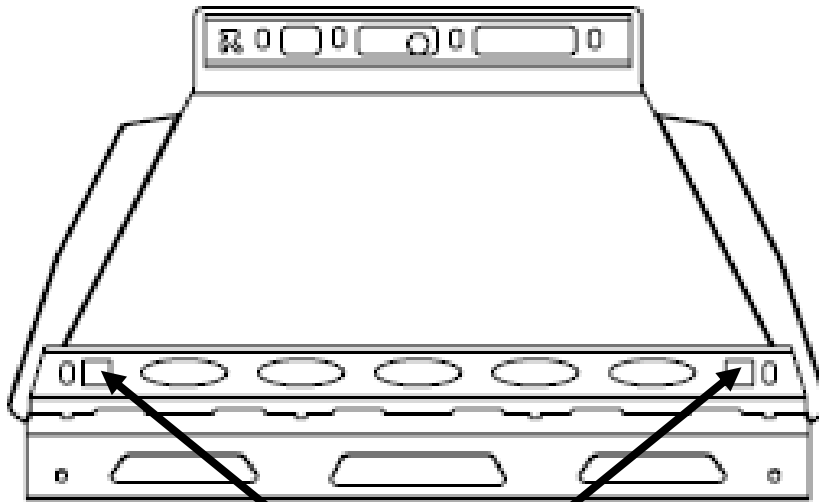
!!! MODEL SPECIFIC HARDWARE !!!

16 SKID PLATE MOUNTING

This may be done now or at the end after the bumper is installed. Although accessible some hardware may be harder to reach with the skid plate installed during hardware tightening.

Attach the clip nuts to the skid plate as shown below.

ALL DIESEL MODELS SKID PLATE MOUNTING



3/8"-16 Clip Nuts (Long)

2

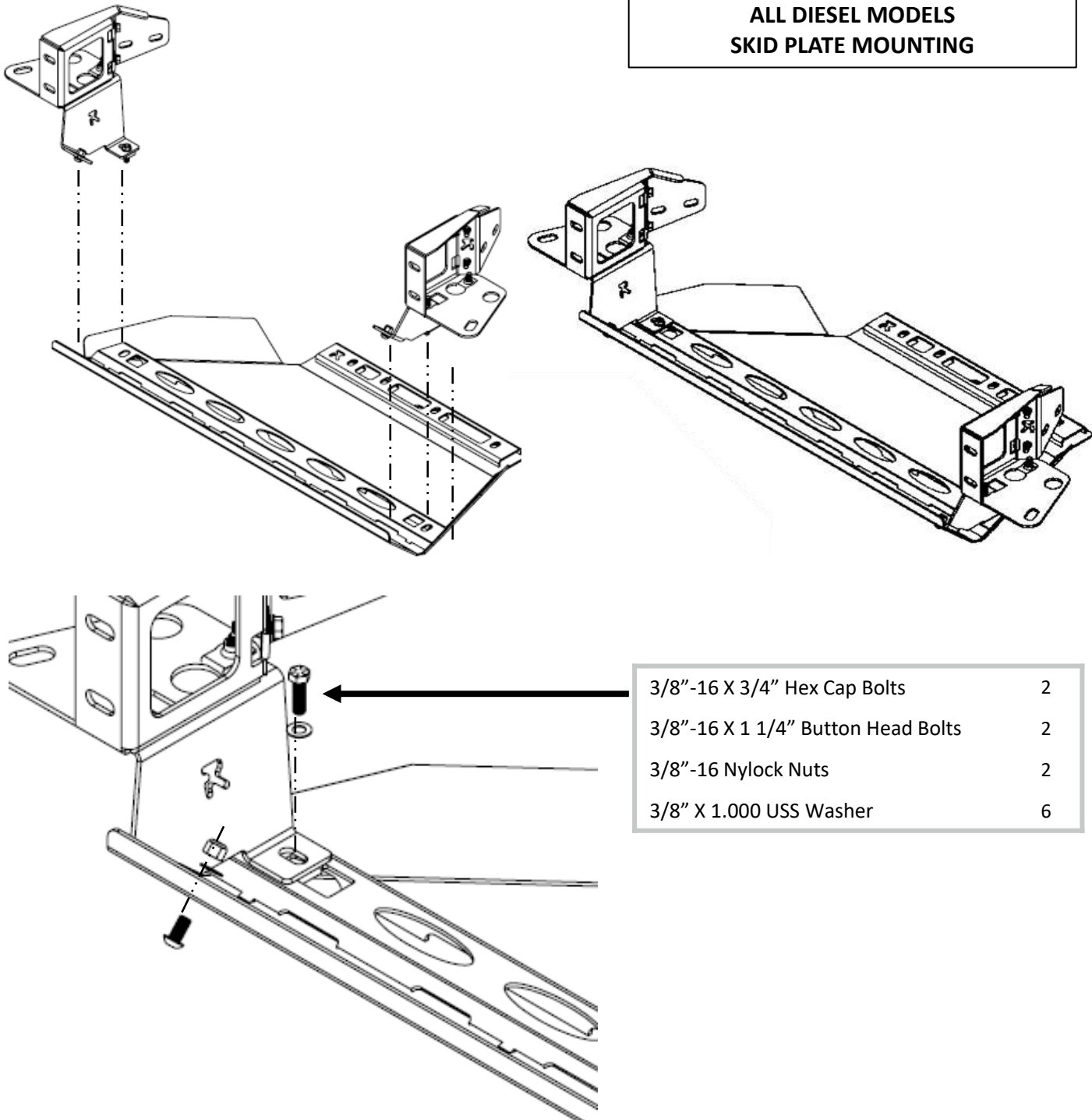


!!! MODEL SPECIFIC HARDWARE !!!

16 CONTINUED – SKID PLATE MOUNTING

Mount the skid plate as shown below using the provided 3/8" hardware. The rear of the bracket will mount to the clip nuts using the hex cap bolt, while the front side will mount using the button head bolt and nylocs. Leave the hardware loose for adjustment.

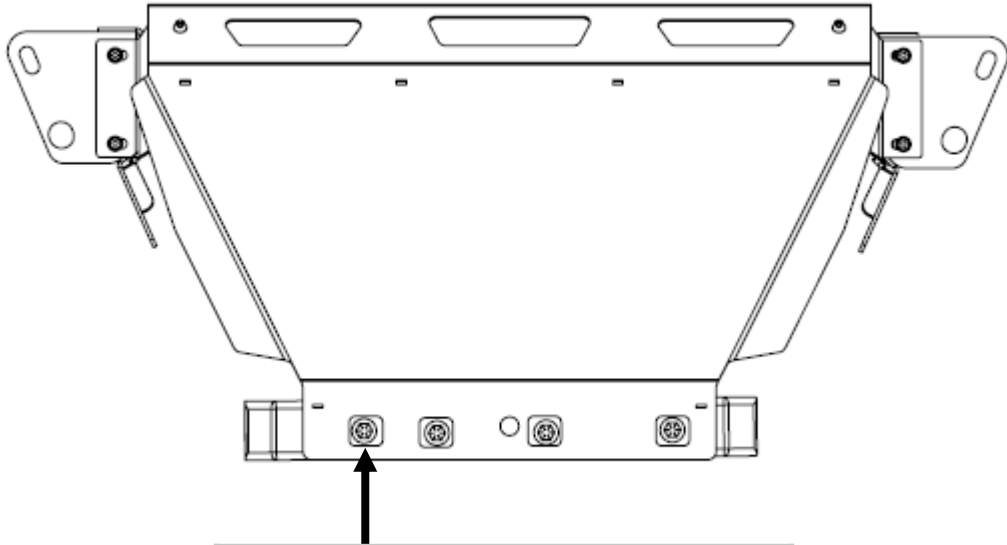
ALL DIESEL MODELS SKID PLATE MOUNTING



!!! MODEL SPECIFIC HARDWARE !!!

16 CONTINUED – SKID PLATE MOUNTING

Attach the rear of the skid plate to the cross member as shown below. The M10 bolts or OEM if present will mount on the outside edges using factory threaded locations. The inside mounting locations will attach using 1/2" hardware.

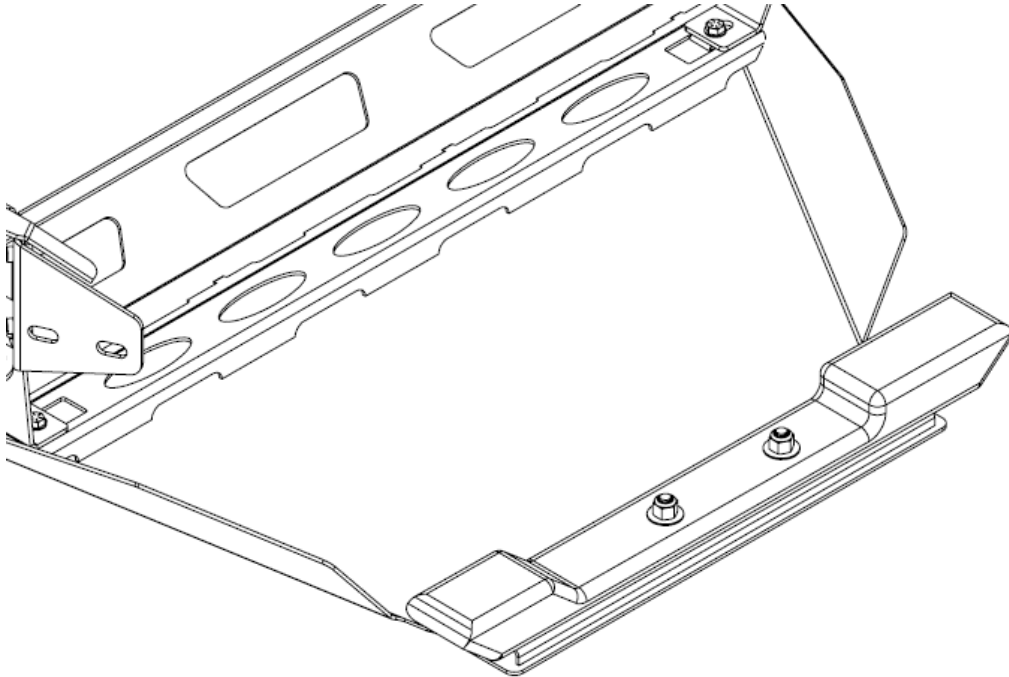
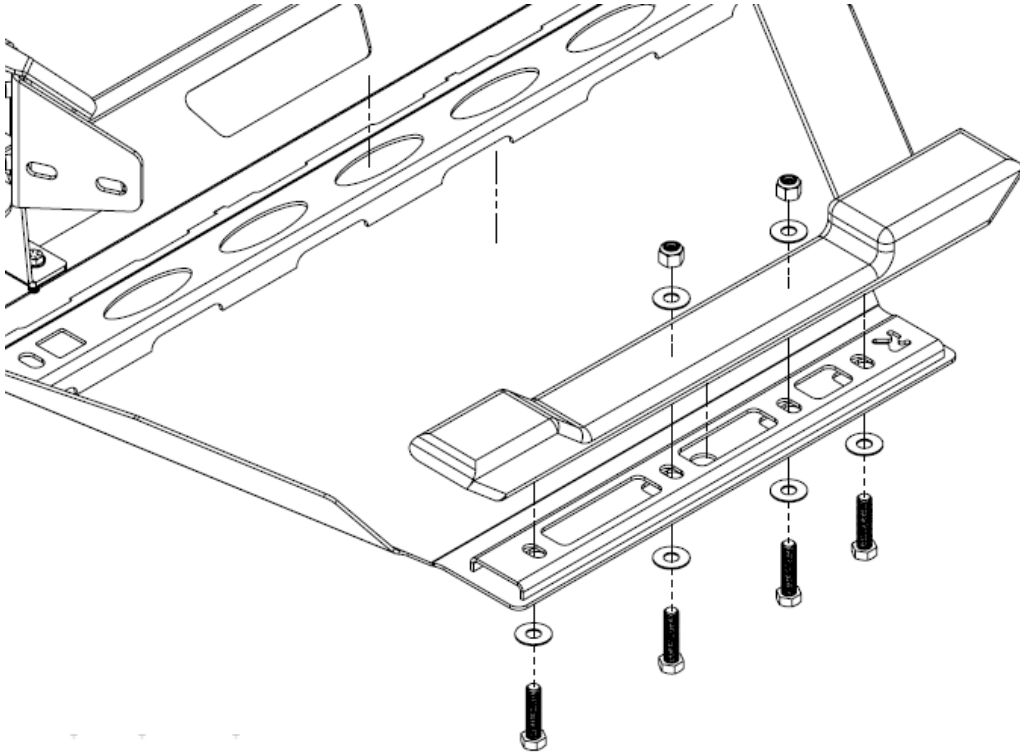


3/8" X 1.000 USS Washer	2
1/2"-13 X 1 1/2" Hex Cap Bolts	2
1/2"-13 Nylock Nuts	2
1/2" X 1.375" USS Washers	4
M10-1.5 X 30mm Hex Cap	2

**ALL DIESEL MODELS
SKID PLATE MOUNTING**



!!! MODEL SPECIFIC HARDWARE !!!

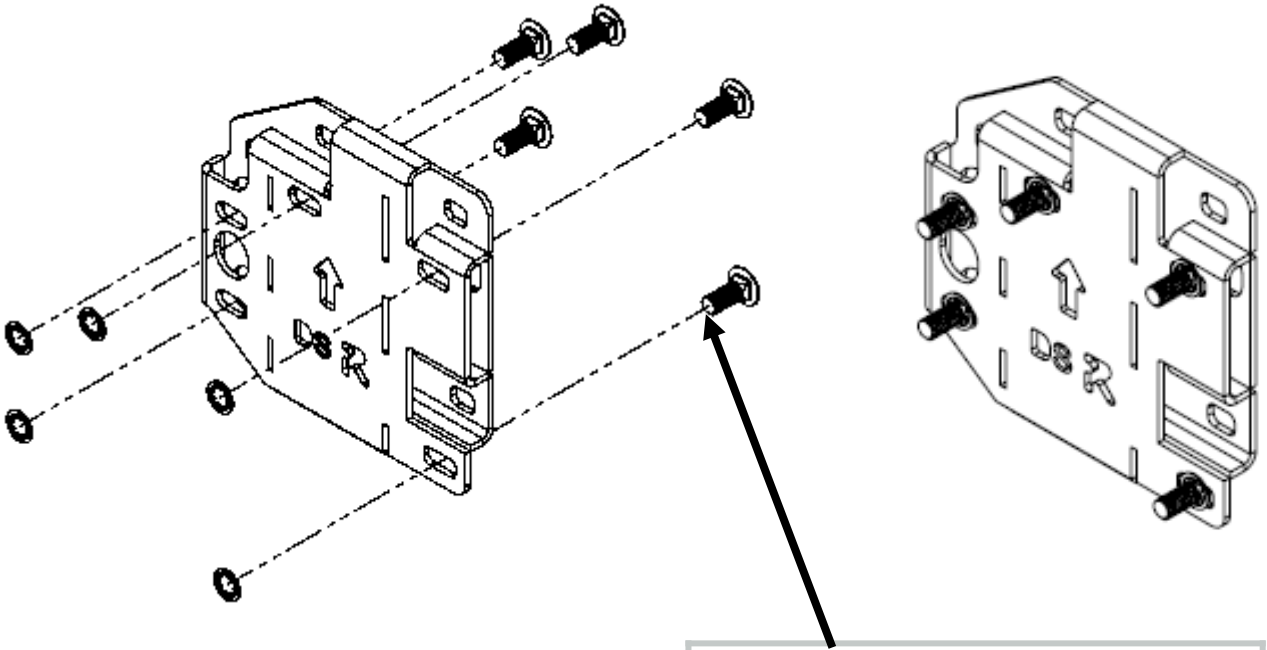


**REBEL DIESEL MODELS
SEE STEPS 11 – 13 TO COMPLETE**

!!! MODEL SPECIFIC HARDWARE !!!

17 DROP SPACER BRACKETS

Attach the provided 1/2" carriage bolts and lock washers to both drop spacer brackets as shown. Make sure all hardware is flush and tight with the bracket.



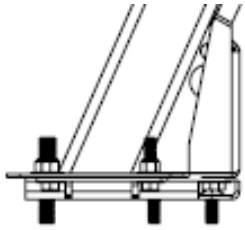
1/2"-13 X 1 1/2" CarriageBolts	10
1/2" Interlocking Tooth Lock Washers	10

**ALL NON REBEL MODELS
DROP BRACKET MOUNTING**

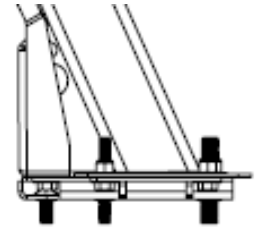


!!! MODEL SPECIFIC HARDWARE !!!

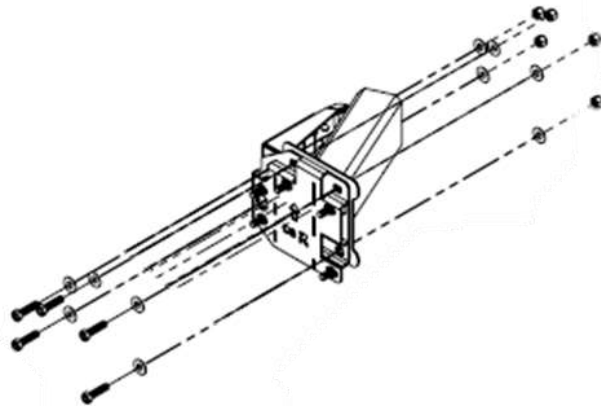
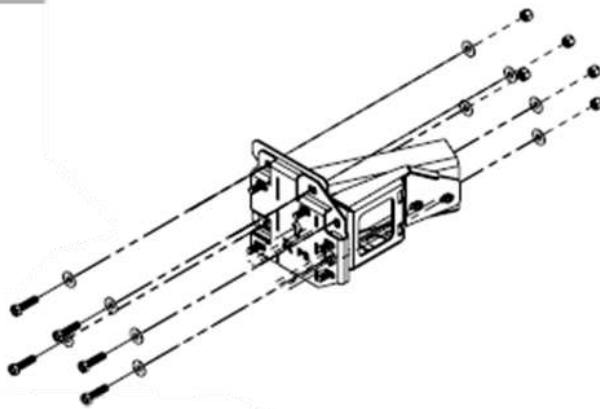
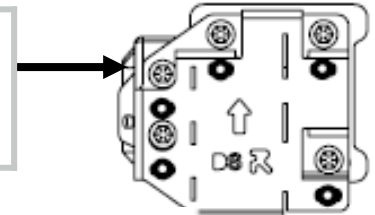
Mount the drop brackets to vehicle as shown below using the provided 1/2" hardware.



ALL NON REBEL MODELS DROP BRACKET MOUNTING



1/2"-13 X 1 1/2" Hex Cap Bolts	10
1/2"-13 Nylock Nuts	10
1/2" X 1.375" USS Washers	20

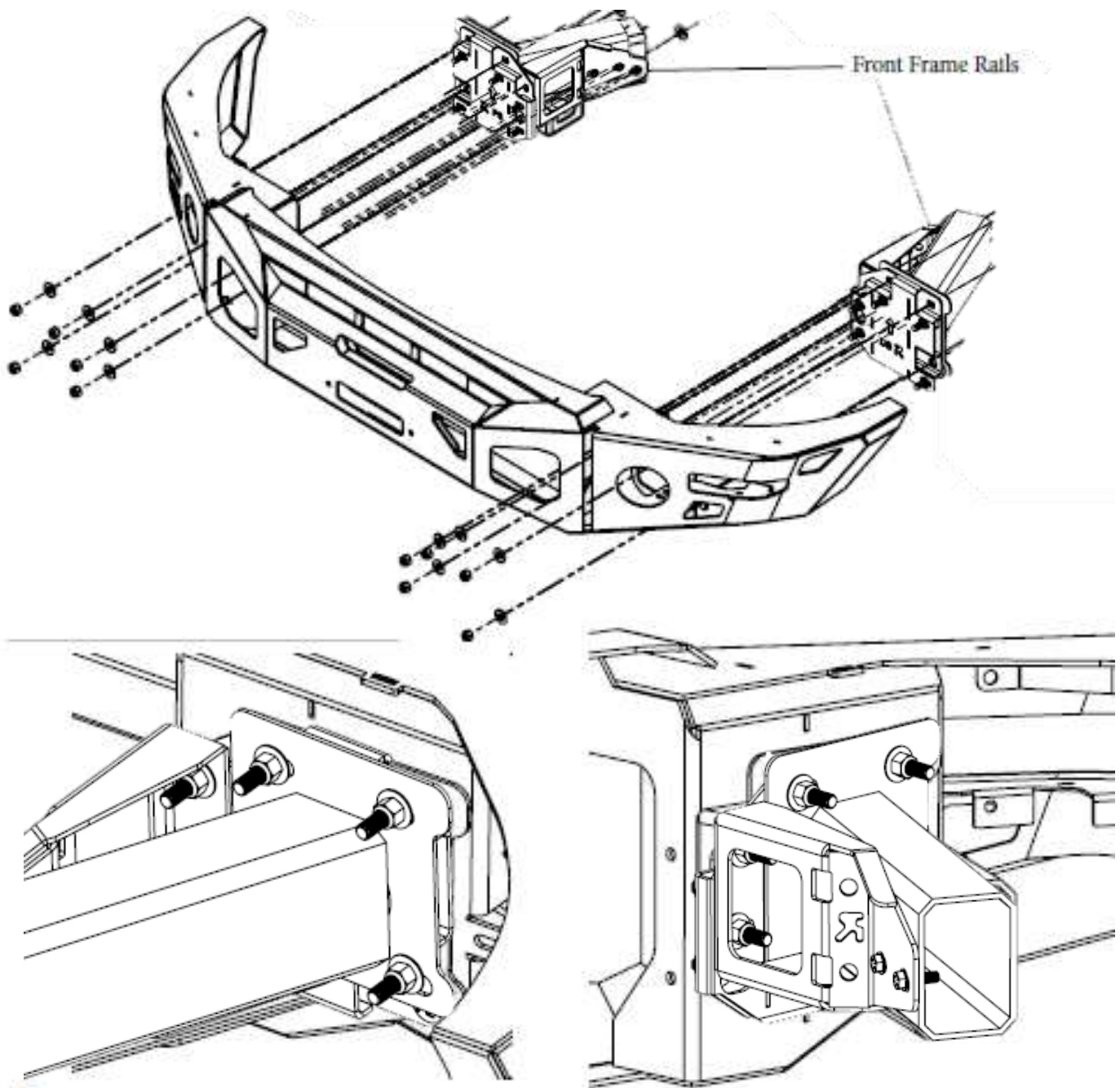


!!! MODEL SPECIFIC HARDWARE !!!

18 INSTALLATION OF FRONT BUMPER

Center the bumper with the vehicle and align gaps between the grille and bumper to your preference before mounting. Mount the front bumper using the supplied 1/2" front bumper hardware as shown below.

ALL NON REBEL MODELS



!!! MODEL SPECIFIC HARDWARE !!!

ALL NON REBEL MODELS

19 TIGHTEN ALL HARDWARE

Check that all hardware is tightened including all brackets and mounting locations.

20 RECONNECT WIRING HARNESS

Reconnect the parking sensor and cornering light wiring harness to the vehicles electronics and secure all loose wiring. Check that everything is working and adjust if needed before driving on the road.

TIGHTEN ALL HARDWARE AFTER EVERYTHING IS INSTALLED ON THE VEHICLE.

CHECK AND RETIGHTEN ALL HARDWARE AFTER THE FIRST 100 MILES AND AFTER OFF ROADING.

CHECK REGULARLY

ADDITIONAL LINKS

<https://www.exp-one.com/wp-content/uploads/2016/10/Proper-Care-and-Maintenance.pdf>

<https://www.exp-one.com/wp-content/uploads/2016/10/Paint-touch-up-instructions.pdf>

<https://www.exp-one.com/wp-content/uploads/2018/02/Exp-One-2016-TC-word-doc.pdf>