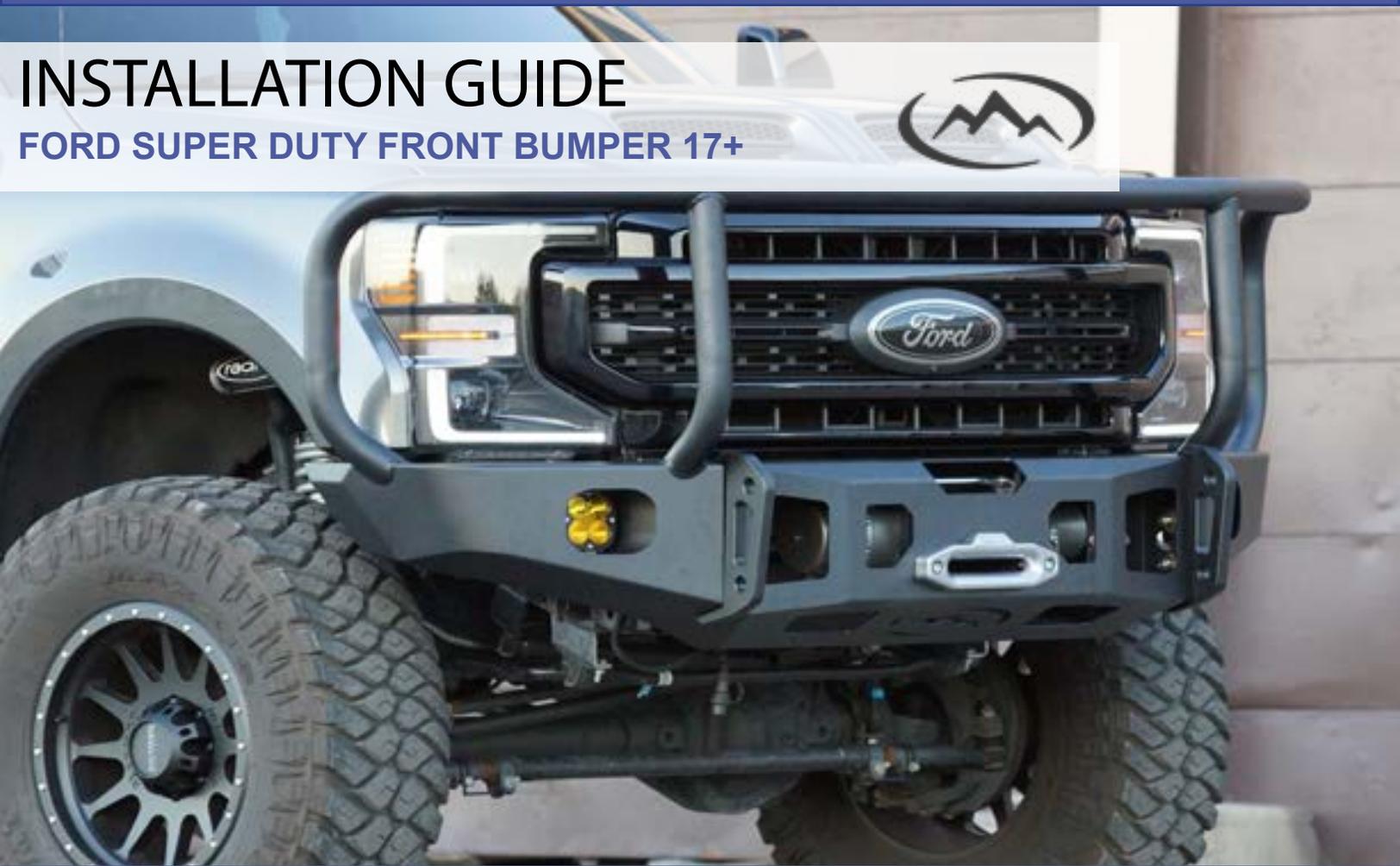


INSTALLATION GUIDE

FORD SUPER DUTY FRONT BUMPER 17+



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SKILL LEVEL - 3 STARS



1 STAR

EASY - No tools required

2 STARS

BASIC - Requires standard tools, basic mechanical knowledge and understanding

3 STARS

MODERATE - Requires standard tools. Some drilling and/or cutting.

4 STARS

ADVANCED - Requires speciality tools. Drilling, cutting, and/or welding

5 STARS

EXPERT - Professional installation recommended.

DISCLAIMER

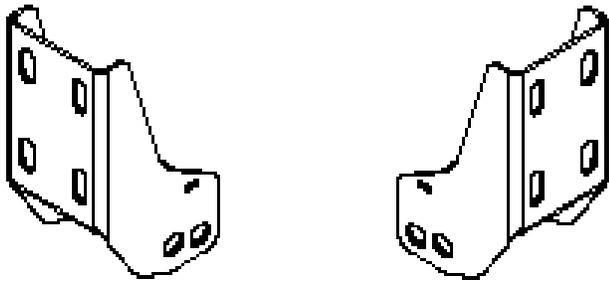
Expedition One is not responsible for any damages to vehicle or injury.
We always recommend professional assistance when installing our vehicle products.

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

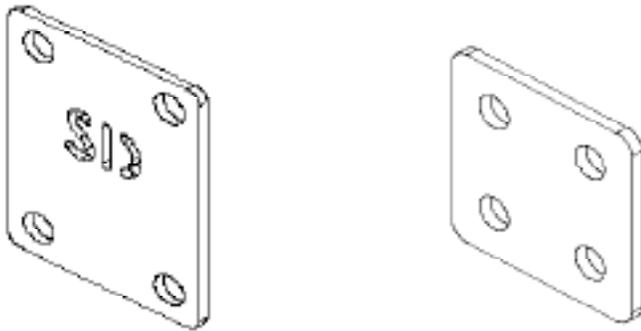
BUMPER HARDWARE

NOT TO SCALE

FRONT BUMPER HARDWARE

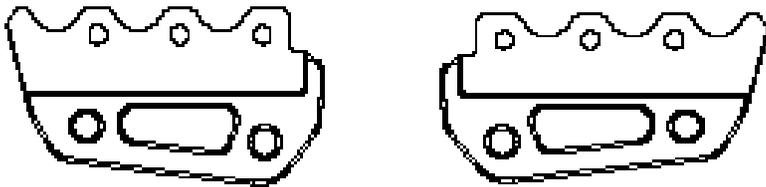


Mounting Brackets

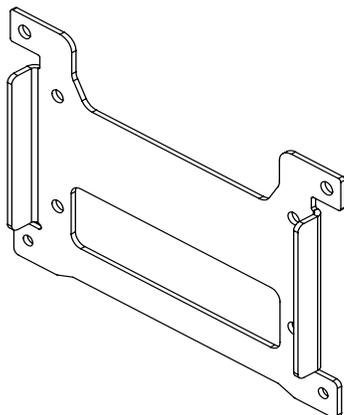


Large Bolt Plate - 2
With 5/8" Welded Bolts

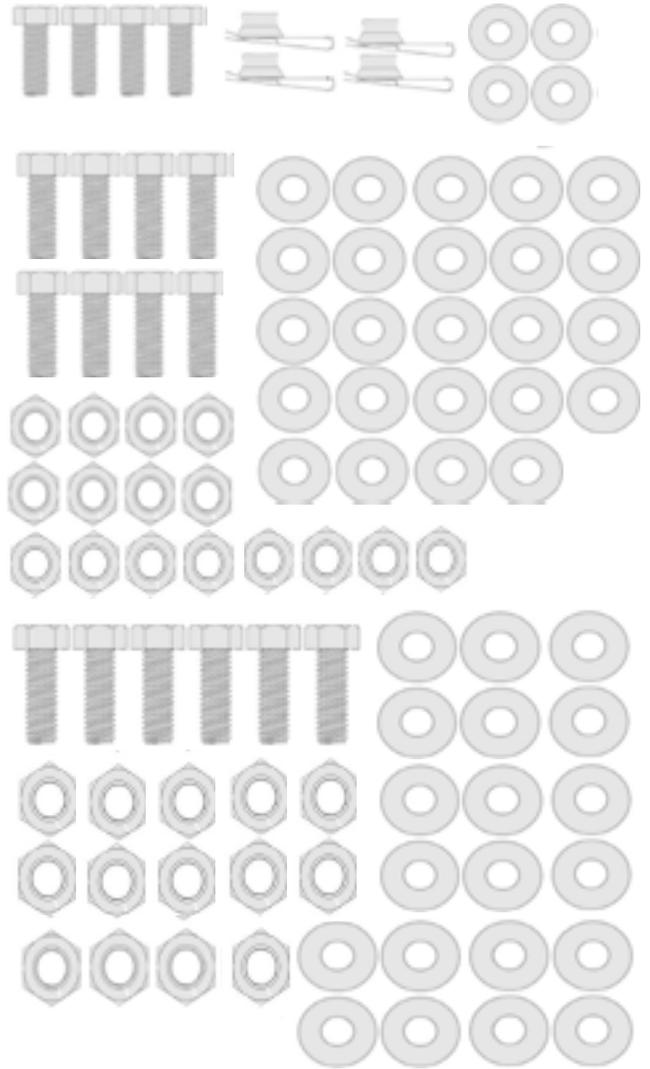
Small Bolt Plate - 2
With 1/2" Welded Bolts



Clevis Mount A & B



Winch Plate



Hardware

3/8"-16 X 1 1/4" Hex Cap Bolt	4
3/8"-16 Clip Nut	4
3/8" USS Washer	4
1/2"-13 X 2" Hex Cap Bolt	8
1/2"-13 Nyloc Nut	16
1/2" USS Washer	24
5/8"-11 X 2" Hex Cap Bolt	6
5/8"-11 Nyloc Nut	14
5/8" USS Washer	20

BUMPER REMOVAL

1 REMOVAL OF OEM BUMPER

Remove the rear bumper OEM hardware from the vehicle. Disconnect all wiring harness connectors and remove the parking sensors from the bezels. Be careful not to break any clips or parts of the bezel as they will be reused in the new bumper (Remove the bezels once the bumper is removed). Check for any remaining hardware connecting the bumper. Remove the bumper by pulling it away from the vehicle.

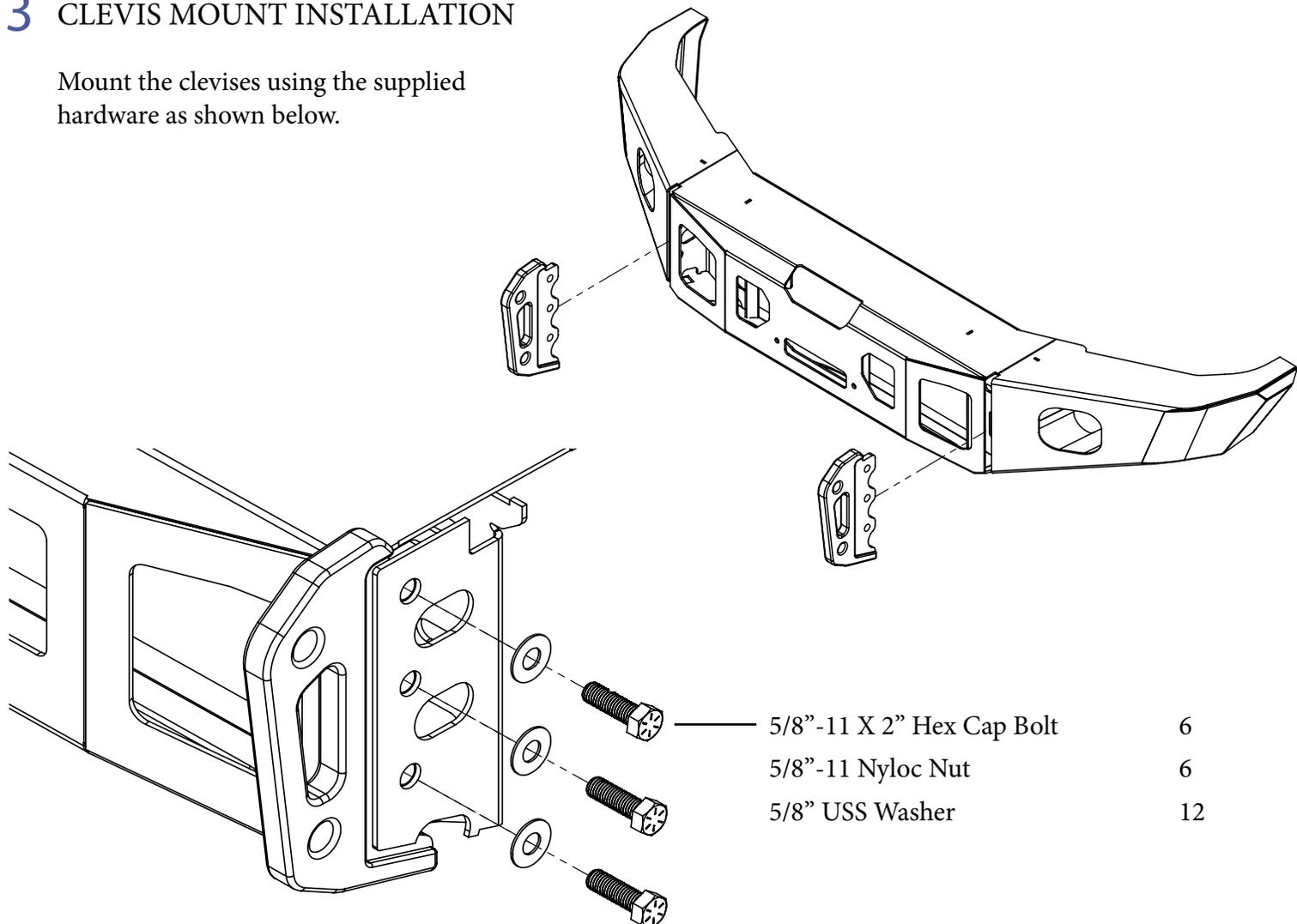
BUMPER ASSEMBLY

2 WIRING HARNESS INSTALLATION

Reinstall the wiring harness into the new bumper. Place all wiring out of the way of mounting points and hardware locations. Check that the wiring loom connectors match their original points of connection per each side of the vehicle. Reattach all bezels and sensors.

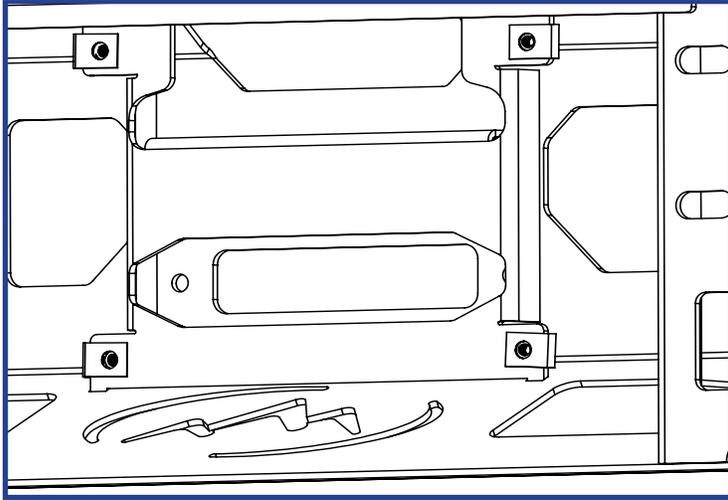
3 CLEVIS MOUNT INSTALLATION

Mount the clevises using the supplied hardware as shown below.

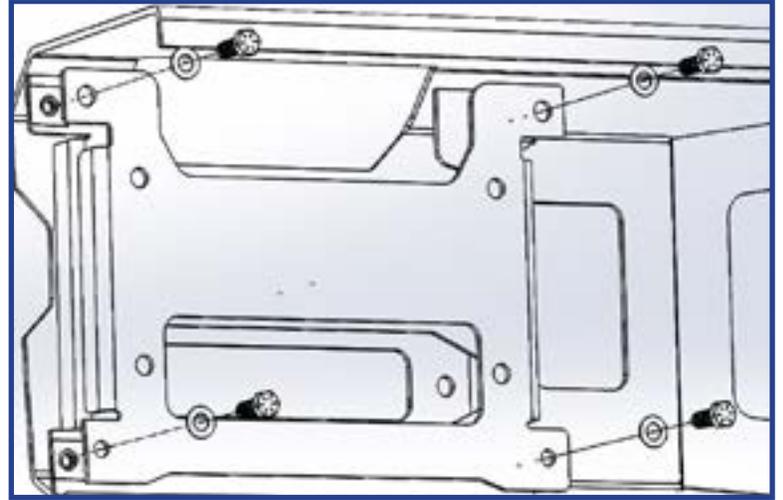


4 WINCH MOUNTING

Mount the winch using supplied hardware to the provided winch plate. Attach the plate/winch to the bumper using the supplied 3/8" hardware.



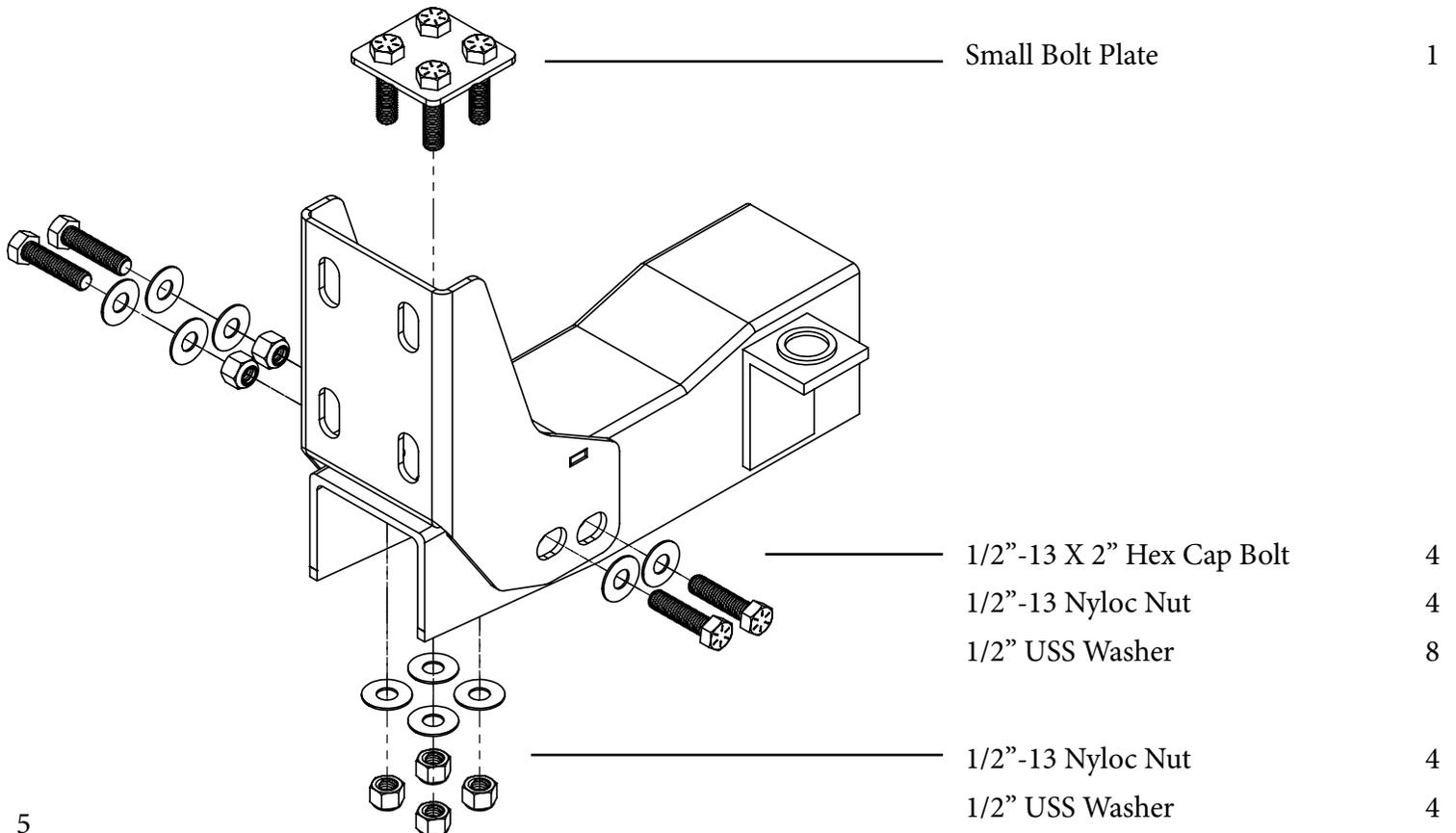
Attach 3/8" Clip Nuts to the Winch Mounting Plate Area



With the Winch and Plate Attached. Mount to the bumper

5 BRACKET MOUNTING

Install the mounting brackets as shown to the frame using the provided 1/2" hardware and small bolt plate. Repeat for the other side. Leave all hardware loose for adjustment.

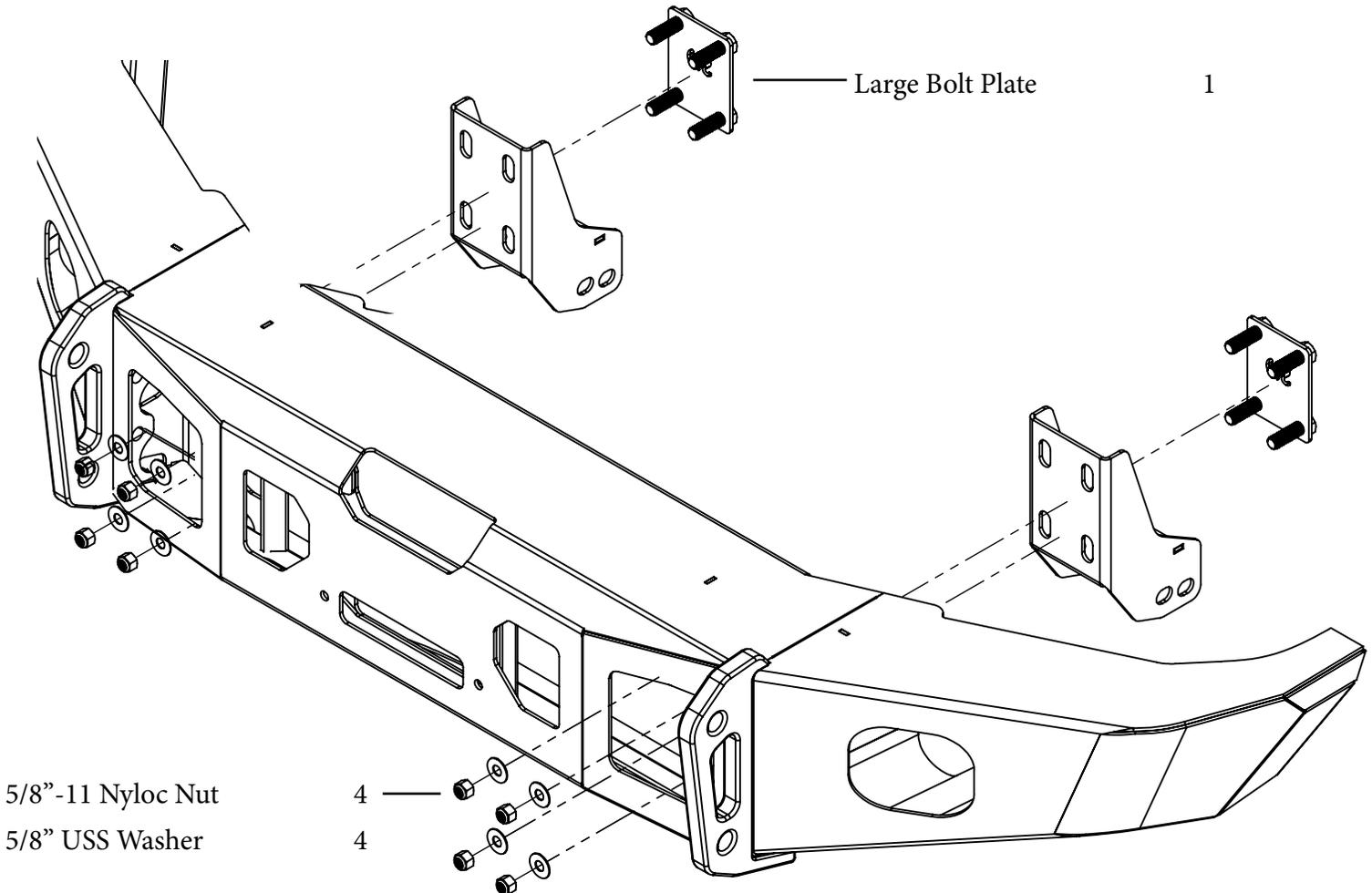


BUMPER MOUNTING

6 BUMPER INSTALLATION

Mounting the bumper as shown to the brackets using the provided 5/8" hardware and large bolt plate. Repeat for the other side. Leave all hardware loose for adjustment.

Once in place center the bumper with the vehicle and align gaps before tightening all hardware.



3/8" Hardware - Tighten to recommended 37 ft-lbs
1/2" Hardware - Tighten to recommended 90 ft-lbs
5/8" Hardware - Tighten to recommended 160 ft-lbs

7 CONNECT WIRING

Reconnect the parking sensors and wiring harness to the vehicles electronics.