

RAM 1500 DS

2017– On

PREDATOR & TORO FRONT BAR

IMPORTANT! – READ BEFORE INSTALLATION

- When installed in accordance with these instructions, the front protection bar does not affect the operation of the vehicles SRS airbags.
- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning work.
- In the event of damage to any bar component please contact OFFROAD ANIMAL to arrange repair/replacement of components.
- Do not use this product for any vehicle make or model other than that specified on these instructions.
- Do not remove labels from this product.
- This product and its fixings must not be modified in any way unless stated in these fitting instructions.
- The installation of this product is recommended for trained personnel.
- These instructions are correct at time of publication. OFFROAD ANIMAL cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer. If you find something has changed please contact us to let us know!
- During installation it is the duty of the installer to check correct operation/clearances of all components.
- If Instructions are to be printed for reference in the workshop, it is recommended that they are printed in colour, for best legibility.

PARTS LISTING

IMPORTANT: Check all parts are present before beginning work! Contact OFFROAD ANIMAL if something is missing.

Main Parts – In the Box

Qty	Part Number	Description	Image
1	FB-R15-DS-17- PR-ASM1	RAM 1500 DS PREDATOR WELDED BAR ASSY	
		OR	
1	FB-R15-DS-17- TOR-ASM1	RAM 1500 DS TORRO WELDED BAR ASSY	
1	FB-R15-DS-17- ASM2L	RAM1500 Tow Point Assy	State Stat
1	FB-R15-DS-17- ASM2R	RAM1500 Tow Point Assy	- market and a second second
1	FB-R15-DS-17- ASM3	RAM1500 Bash Plate Assy	

2017-on RAM 1500 DS Predator Front Bar

1	M-0016	RAM 1500 Predator Fairlead Mesh	TREASER.
1	M-0017L	RAM 1500 Predator Side Mesh	
1	M-0017R	RAM 1500 Predator Side Mesh	
1	M-0002L	Light Cover Mesh	CEREBE
1	M-0002R	Light Cover Mesh	HEBBER
1	U-0025L	RAM 1500 Predator Wing Under panel	
1	U-0025R	RAM 1500 Predator Wing Under panel	

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2	B-0387	RAM 1500 Predator Winch Brace	2
1	B-0186L	Fog Lamp Bracket	
1	B-0186R	Fog Lamp Bracket	
1	B-0388L	Ram1500 Headlight Infill	
1	B-0388R	Ram1500 Headlight Infill	
1	B-0454L	RAM 1500 Parker Bracket	
1	B-0454R	RAM 1500 Parker Bracket	

1	LED AUTOLAMPS 16W12-2	LED AUTOLAMPS 16 Series Marker Lamp, White, 12V, Twin Blister Pack	00
1	NPF-COM-SM- ASM0	Number plate flip asm Small	

Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
<u> </u>	M8 X 20 BHCS	SCREW, BUTTON HEAD CAP,
10		M8X20X1.25 BLACK ZP
10	BLACK ZINC	
16	M8 FLAT	M8 FW- BLACK ZINC
	WASHER- BLACK	
20		
30	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
14	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP
14	M8 FLAT	M8 FW
<u> </u>	WASHER	
6	M8 X 16 BHCS	SCREW, BUTTON HEAD CAP,
	BZP	M8X16X1.25 GR12.9 BLACK ZP
4	M12X40	Bolt Hex, M12X40X1.75, GR8.8 ZP
6	M12 Nyloc nut	M12 NYLOC NUT
14	M12 FW LHD	M12 FW Large Heavy Duty
2	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP
20	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
22	M6x16 BHCS	SCREW, BUTTON HEAD CAP, M6X16X1
	BLACK ZINC	GR12.9 BLACK ZP
22	M6 FLAT	M6 FW BLACK ZP
	WASHER BLACK	
	ZINC	
10	M6CN3MM	CAGE NUT M6x2.6-3.5
2	M10 x 25	Bolt Hex, M10X25x[1.5], GR8.8 ZP
4	M10 FLANGE	Flange Nut, M10x1.5 G8.8 ZP
	NUT	
		M10 FW
	Washer	
2	M10 X 130	Bolt Hex, M10X130X1.5, GR8.8 ZP
8	M10 FW LHD	WASHER, FLAT M10X28.5X2.5
2	M10 x 30	Bolt Hex, M10X30x[1.5], GR8.8 ZP
2	M10 NYLOC	M10 NYLOC
2	M12X40x1.5	Bolt Hex, M12X40x1.5, GR8.8 ZP
6	FB-FRA-PX-19-	Sensor Cover Plate
	PR-ASM3	
4	M3 FLAT	Flat Washer M3, 7mmODx0.5mm T
	WASHER	
4	M3 NUT	Hex Nut, M3x0.5 G48.8 ZP
4	M3 X 12 CSK	SCREW, COUNTERSUNK PHILLIPS,
		M3X12X0.5 ZP
		nal Parts Toro ONLY
1	B-0392L	RAM 1500 Torro Antenna Bracket
1	B-0392R	RAM 1500 Torro Antenna Bracket
4	M8 X 20 BHCS	SCREW, BUTTON HEAD CAP,
	BLACK ZINC	M8X20X1.25 BLACK ZP
4	M8 FLAT	M8 FW- BLACK ZINC
	WASHER- BLACK	
	ZINC	

TOOLS REQUIRED

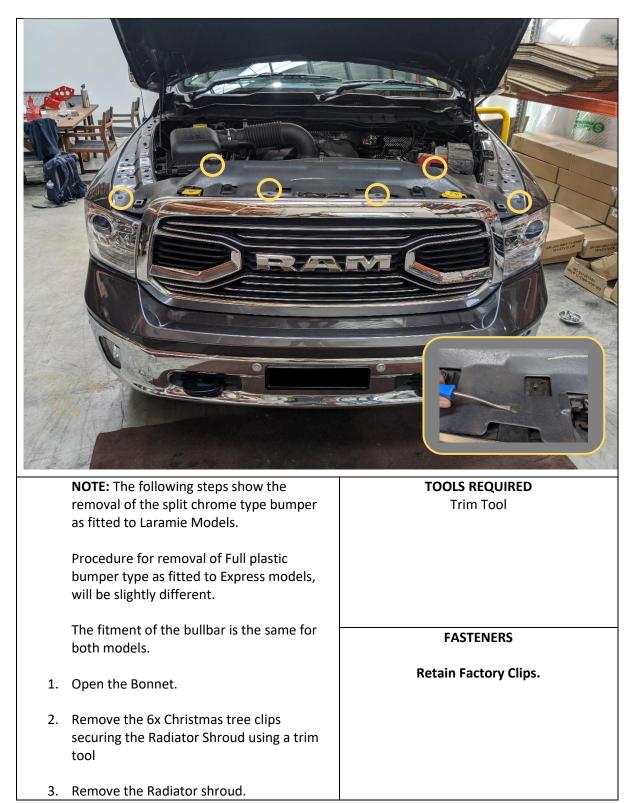
The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Supplies
Metric Socket Set 8-	Electric Drill	Panel Stand or Soft
19mm	6mm Drill Bit	Blanket
Socket Extension Bar		Cable Ties
Metric Spanner Set 10-	Air Hacksaw or Angle	Masking Tape
19mm	Grinder	Black Automotive
Hex (Allen) Key Set 4-		paint
6mm	Electric/Air Impact	Scotch Brite or Fine
Trim Puller Tool	Driver (Optional)	Sandpaper
Flat Blade Screwdriver		Automotive
set	Soldering Iron	Sealant/Adhesive
Phillips Head		Automotive Wire
Screwdriver set		
Utility Knife		
Side Cutters		
Pliers		
Wire Stripper		

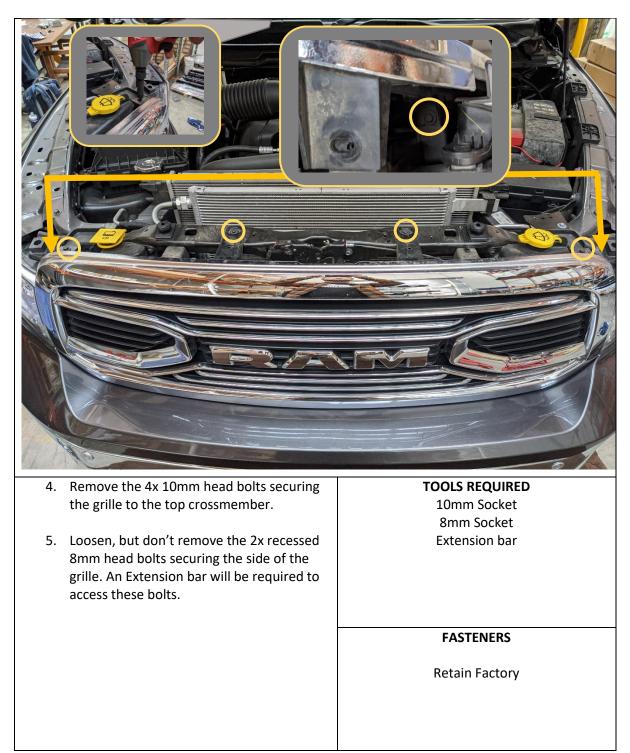
WORKSHOP SAFTEY

It is the responsibility of the installer to always complete works in a safe manner. Make sure the following safety equipment is available and precautions are observed whilst fitting this product.

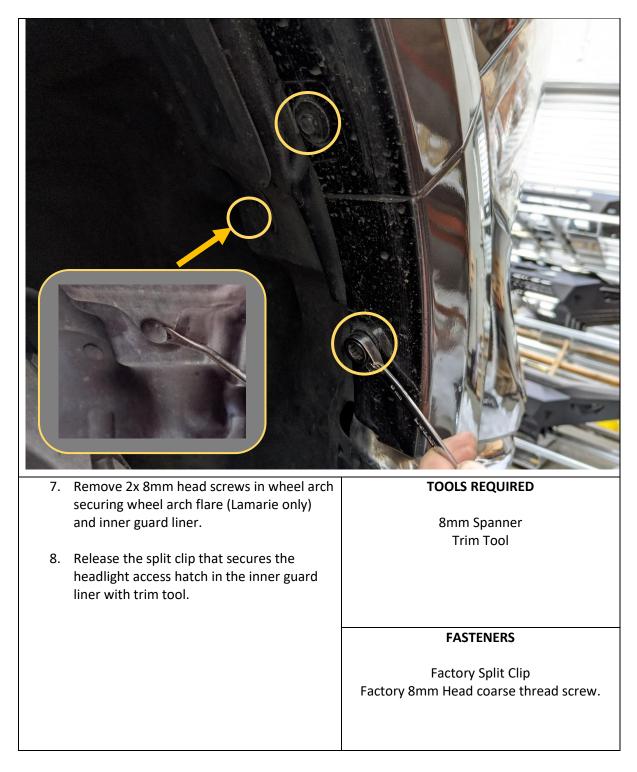
Hearing Protection	Always wear ear protection when using power tools.
Eye Protection	Ensure eye protection is always worn when cutting or drilling.
Manual Handling	Do not attempt to lift bar assemblies or rock sliders on your own. Always use two people to lift or use mechanical Lifting aid such as hydraulic lifting trolley.
Vehicle Support	Always ensure vehicle is properly supported when working on it. Do not attempt to fit products whilst suspension work is being carried out. Do not work under a vehicle supported only by a jack.

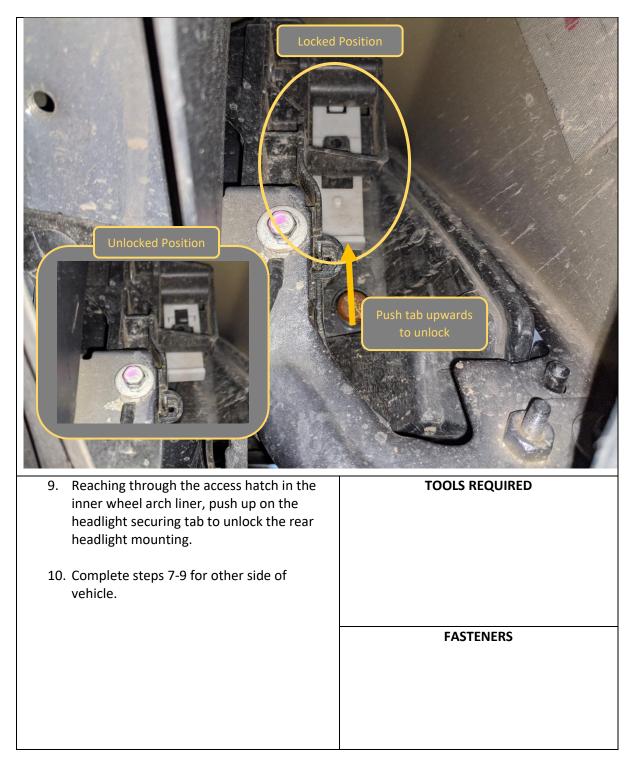


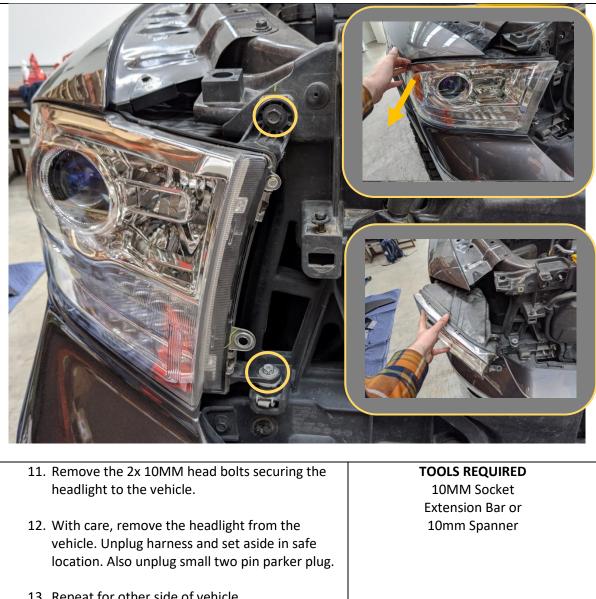
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 Remove the Grille, set aside on soft blanket to protect chrome finish. 	TOOLS REQUIRED
	FASTENERS

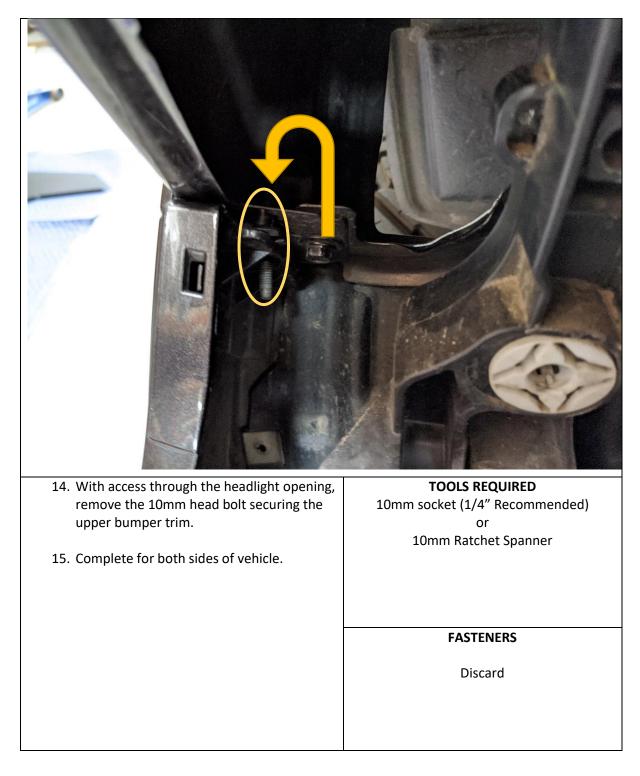


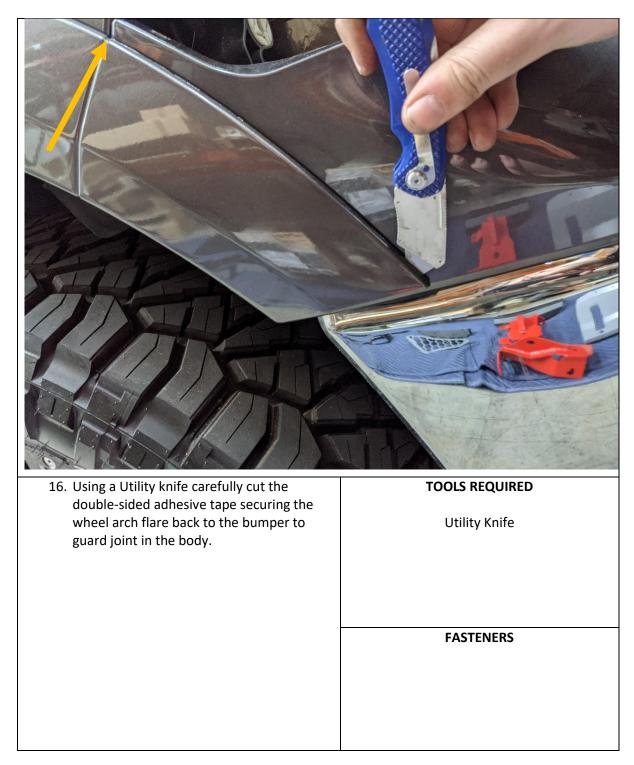


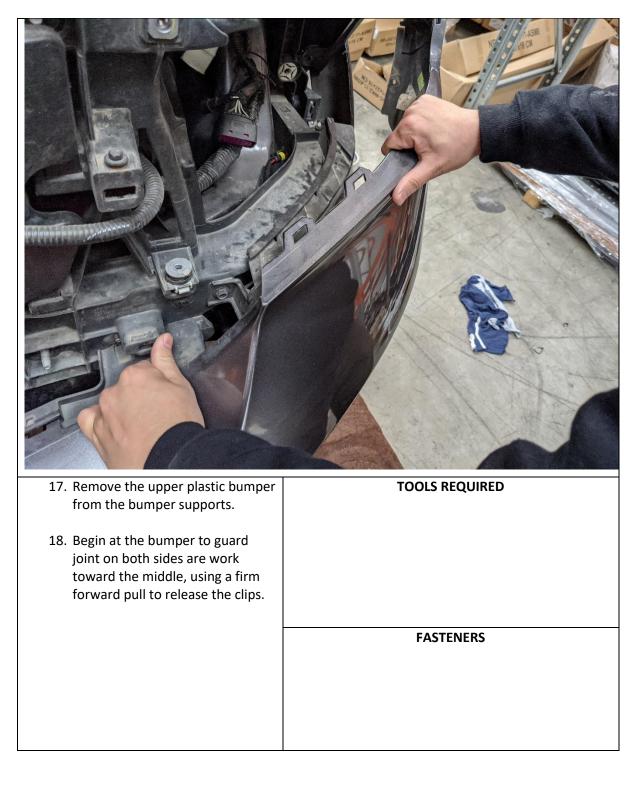


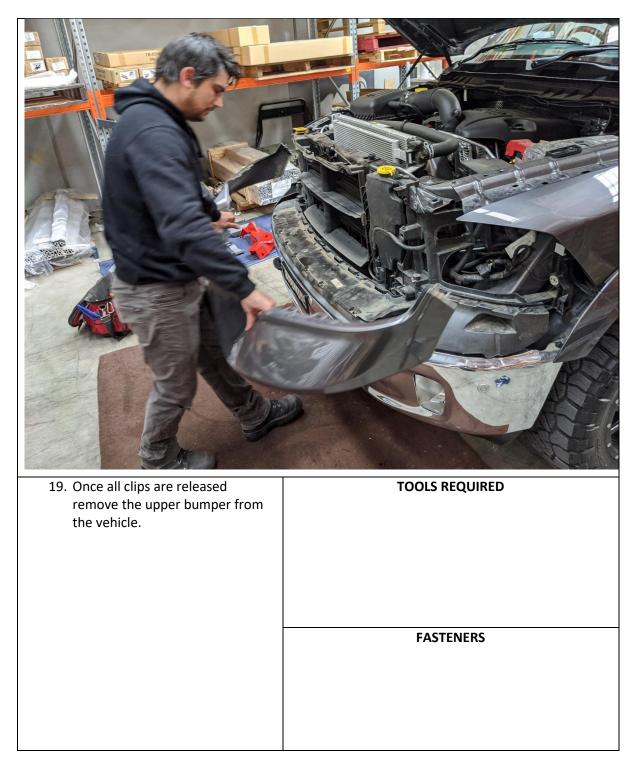
13. Repeat for other side of vehicle.

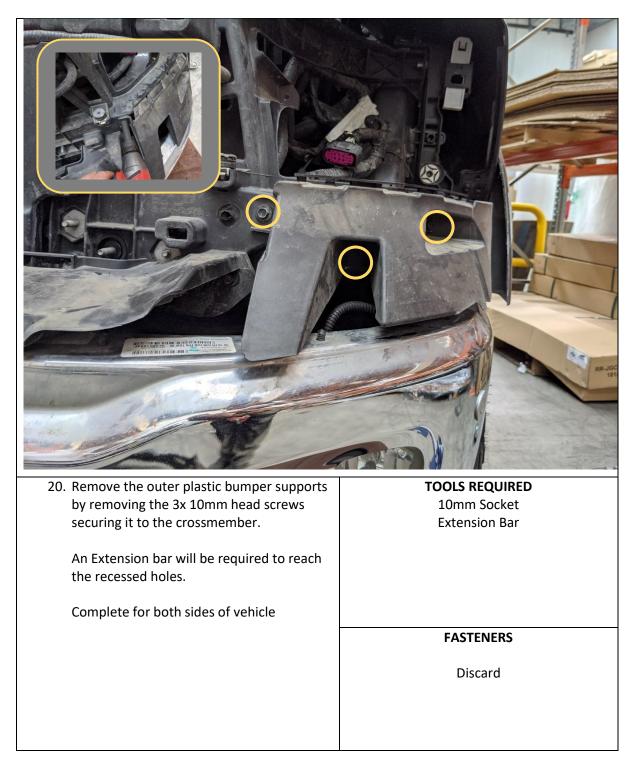
FASTENERS Factory 10mm head bolts, retain for reinstallation

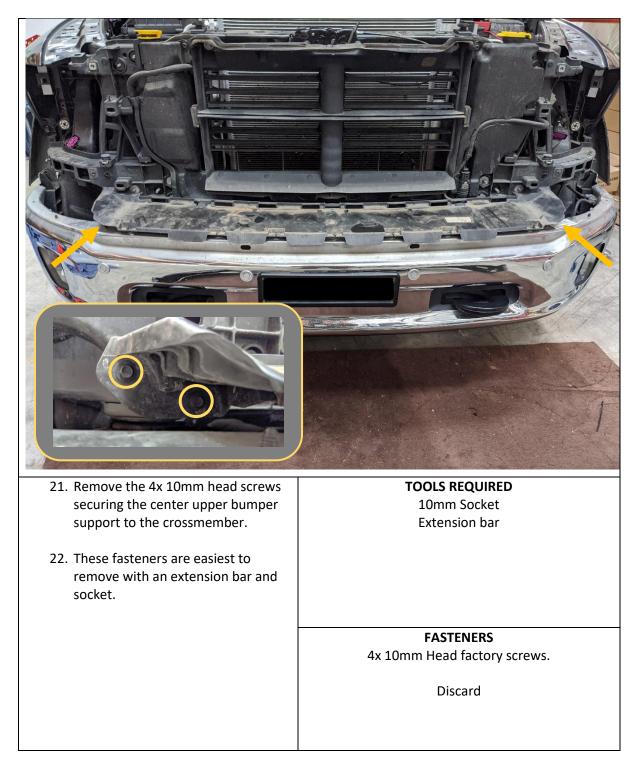


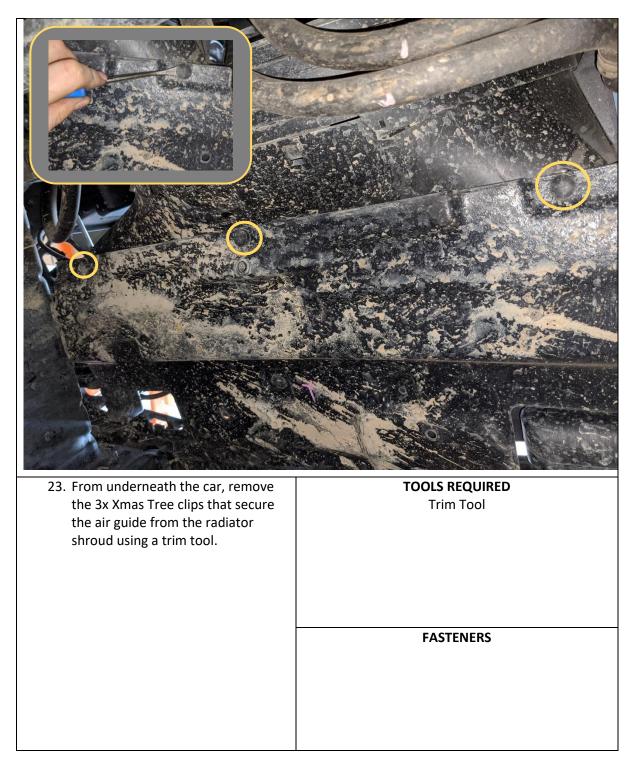


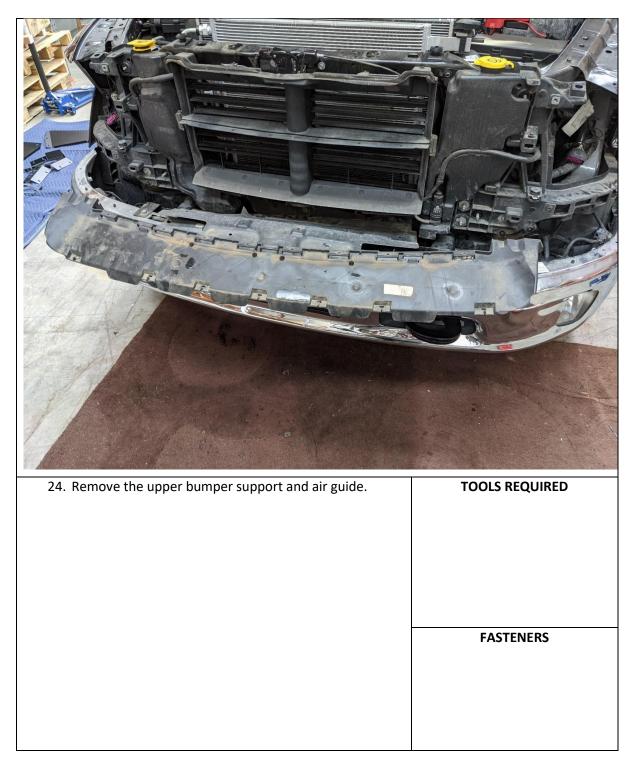


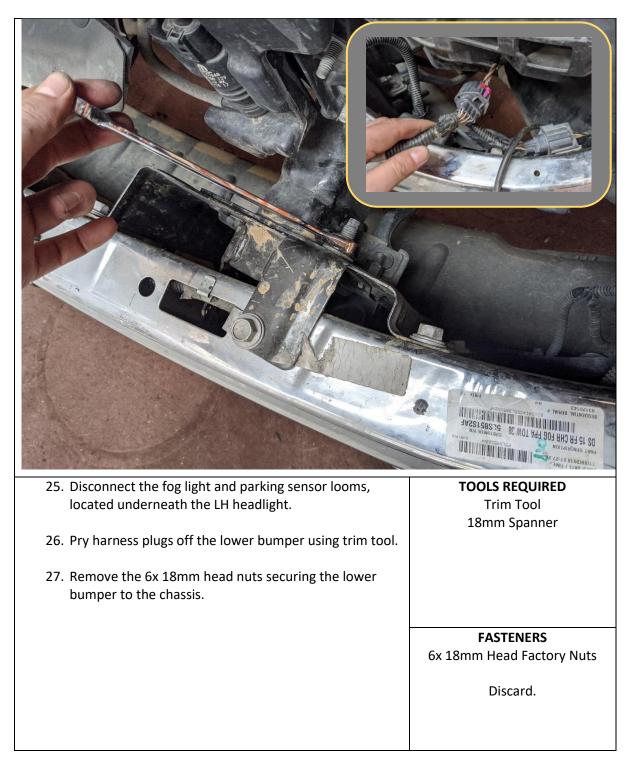


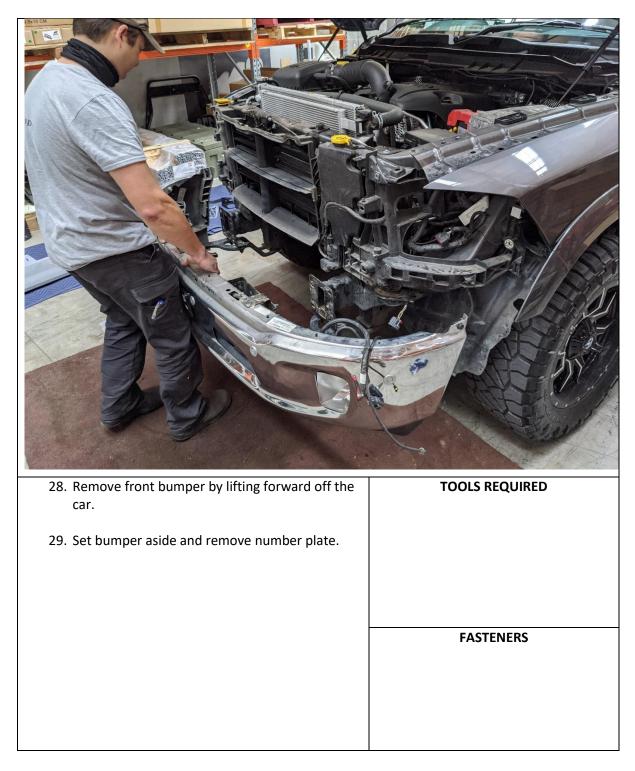


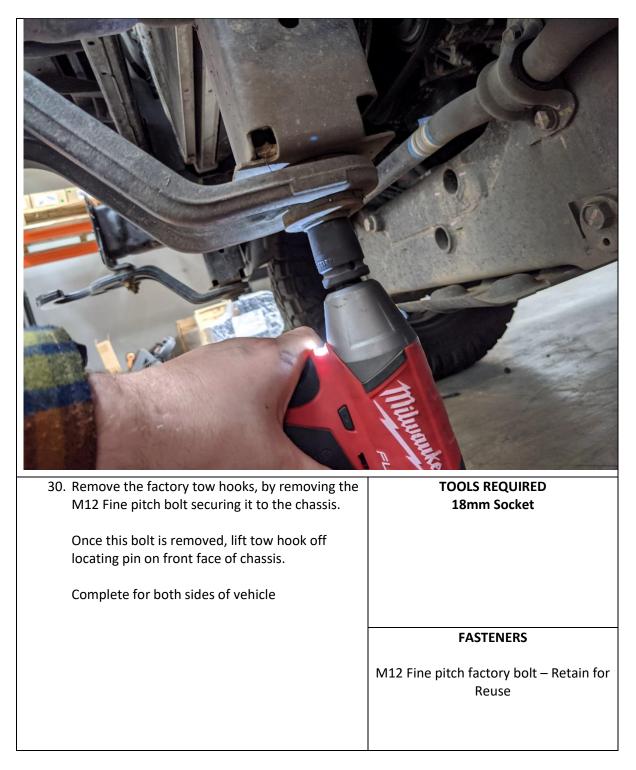


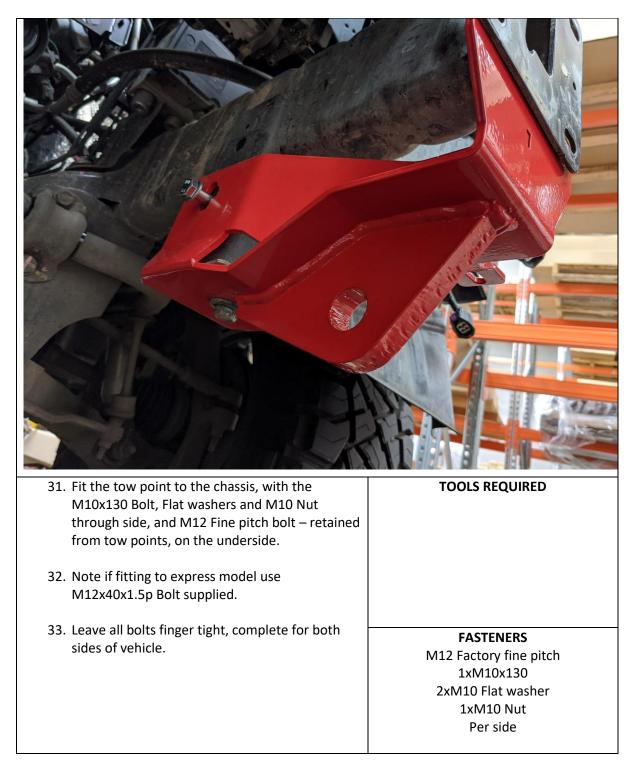


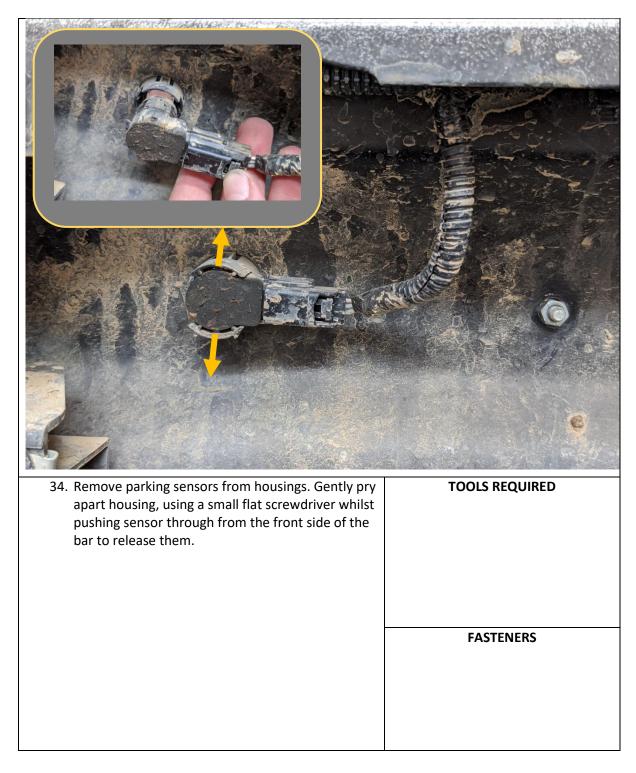


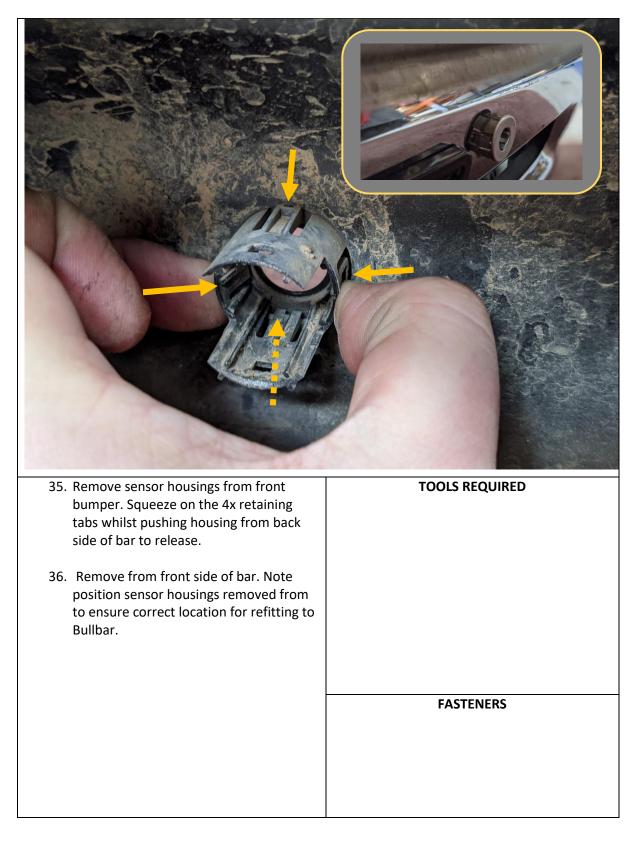


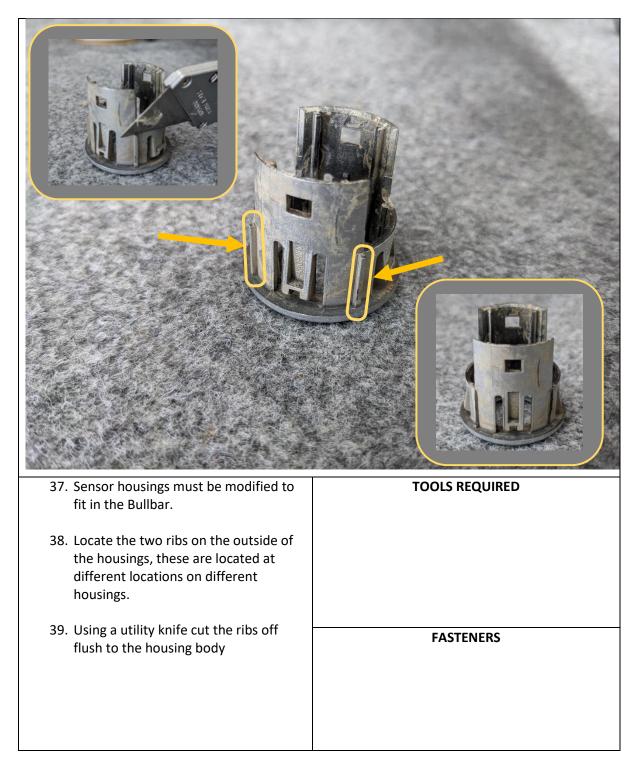


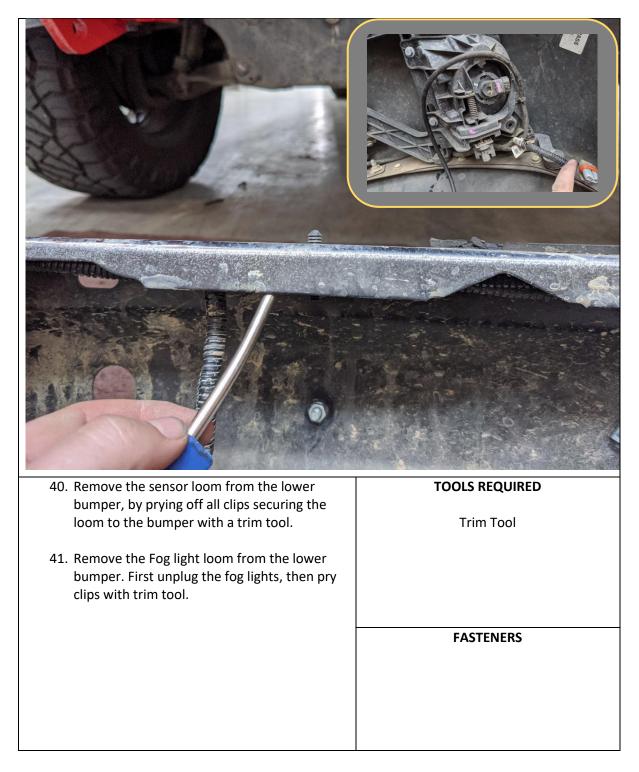




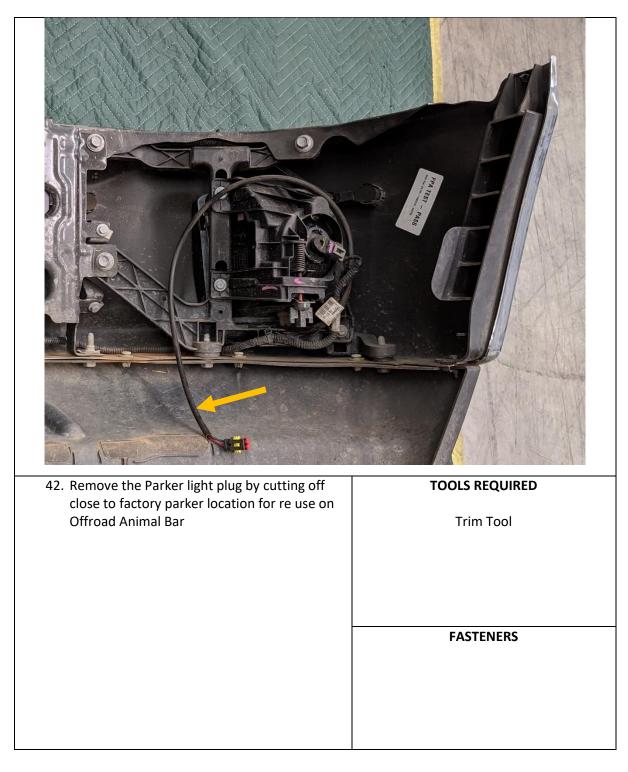


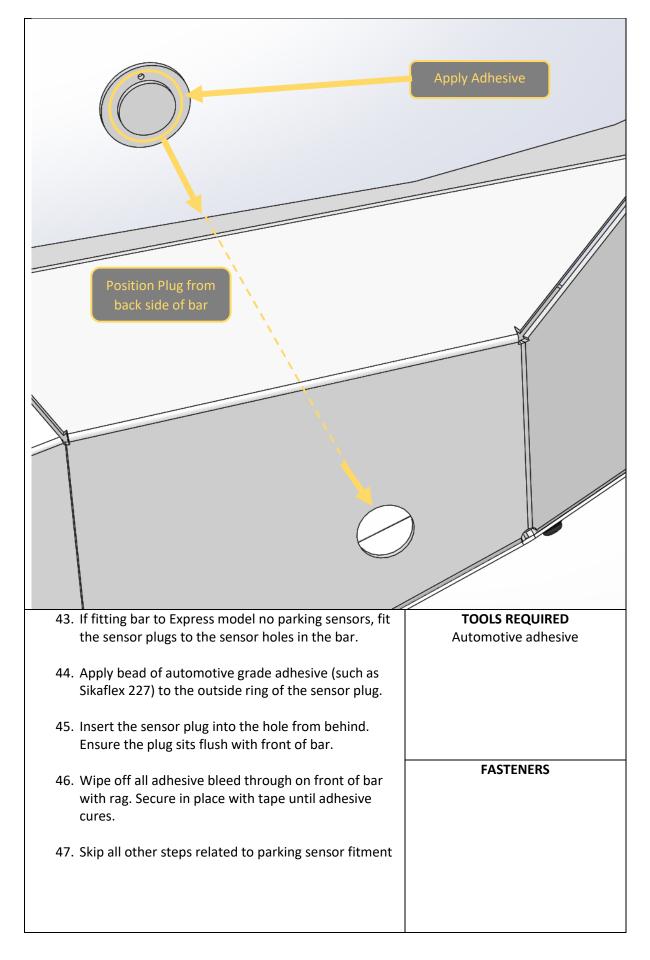


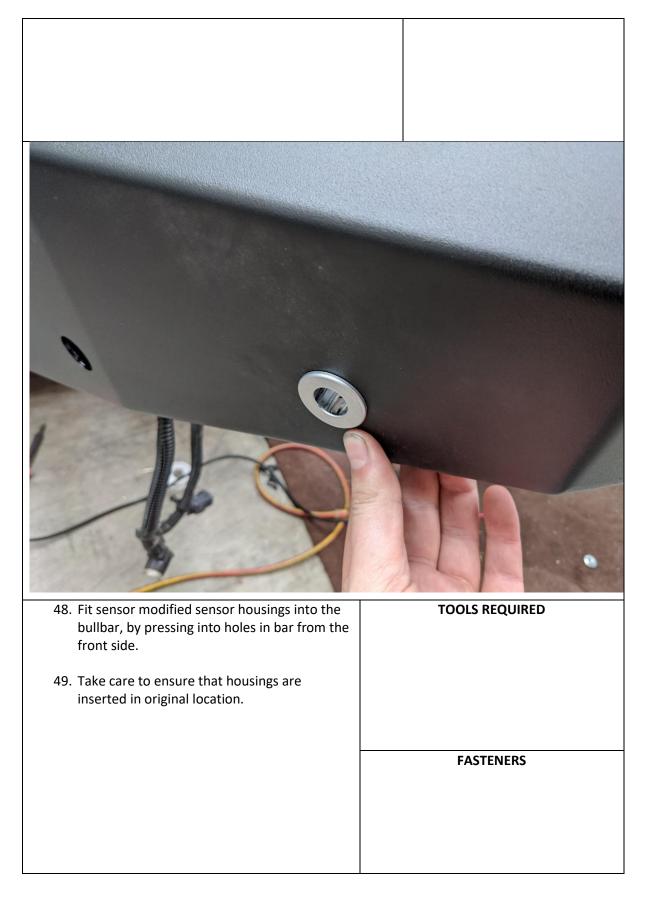




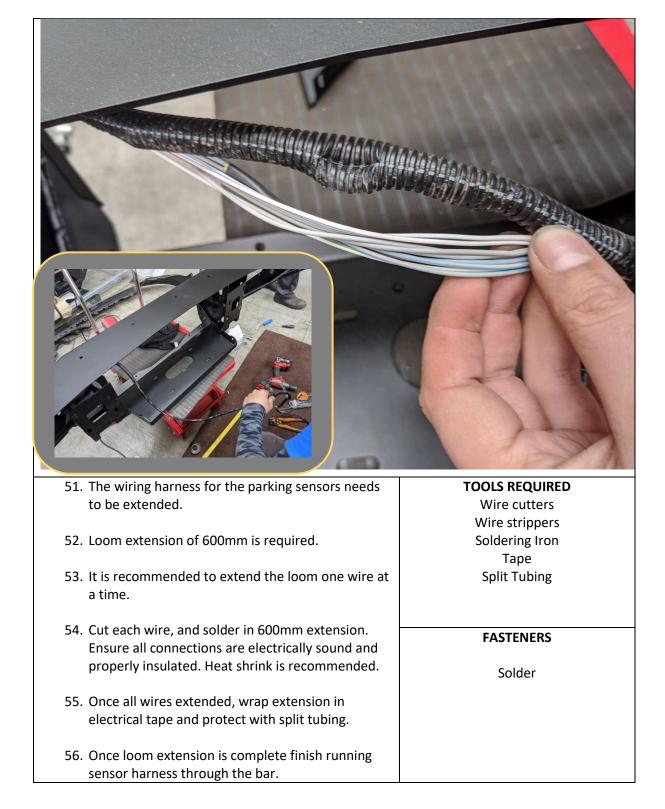
2017-on RAM 1500 DS Predator Front Bar

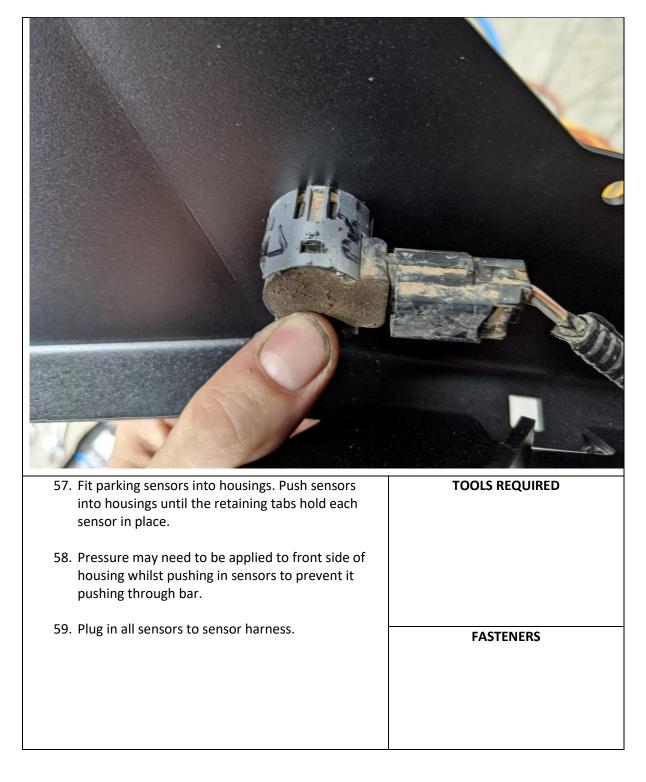


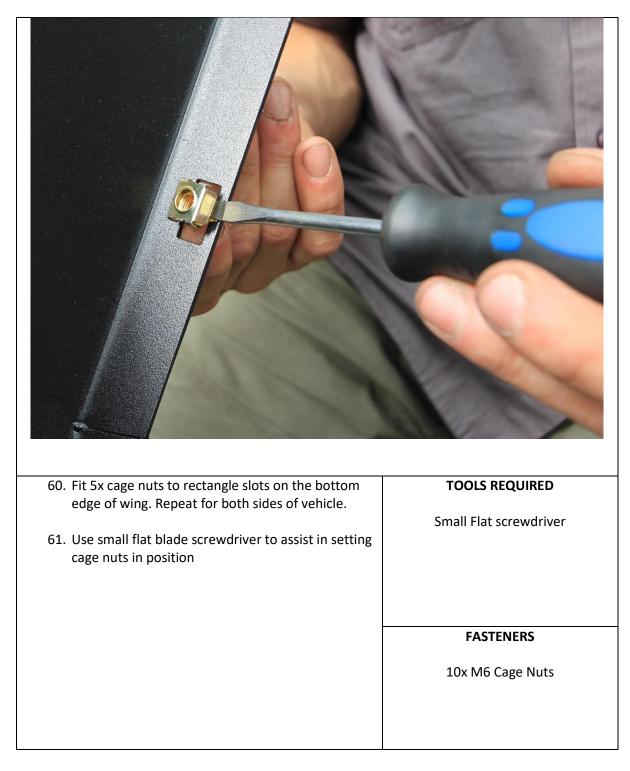


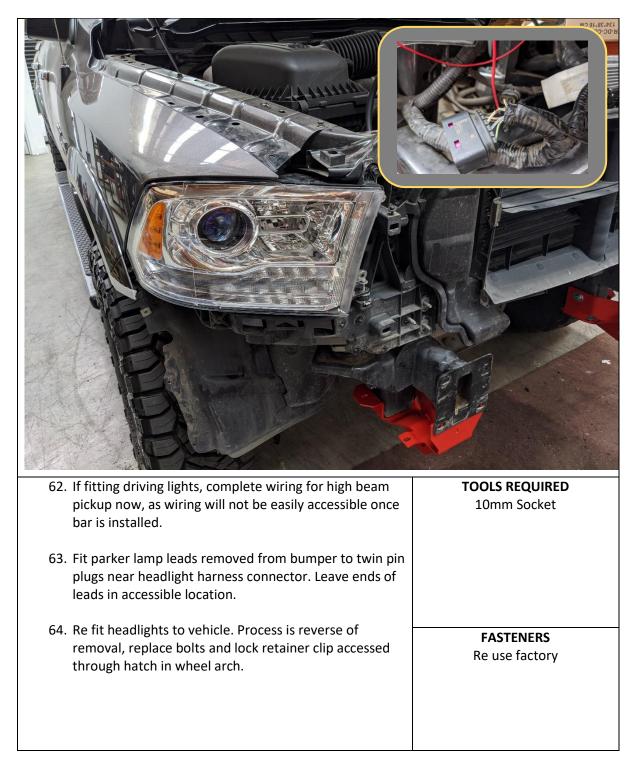


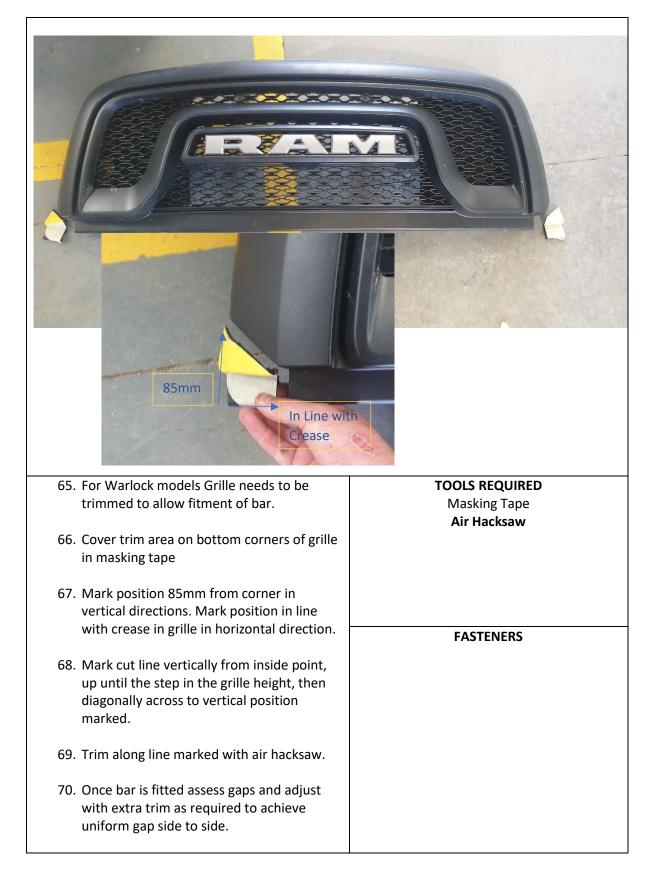
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50. Pass wiring loom through bar uprights, starting from the left-hand side of the bar.	TOOLS REQUIRED
	FASTENERS

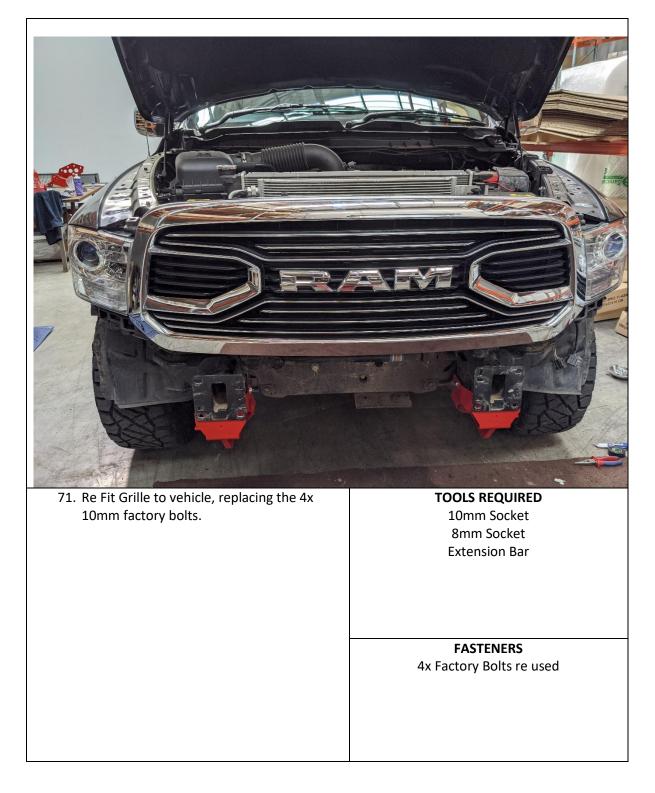


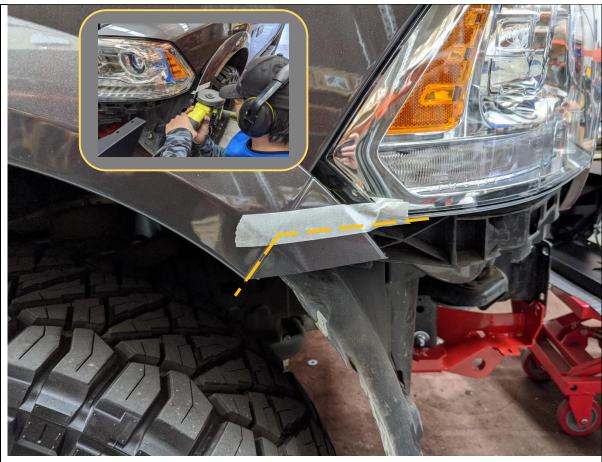










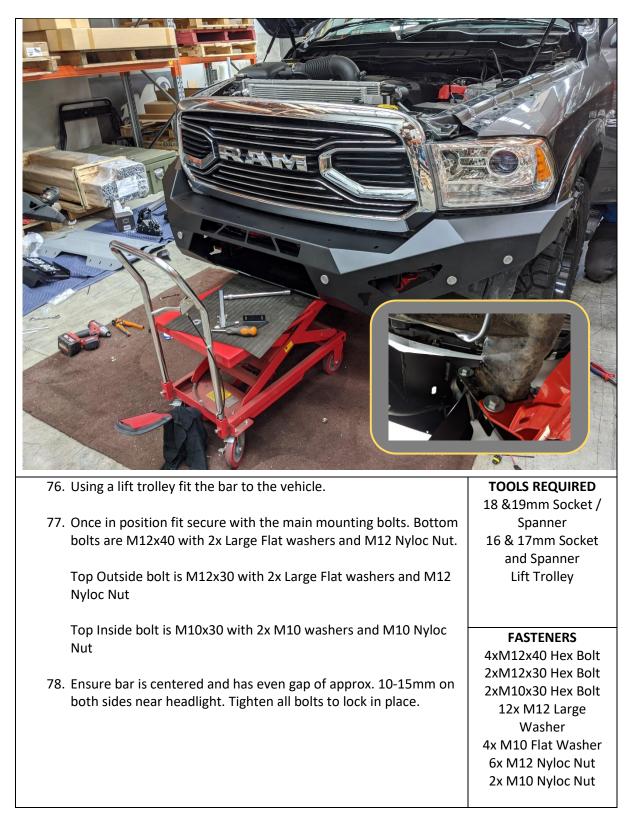


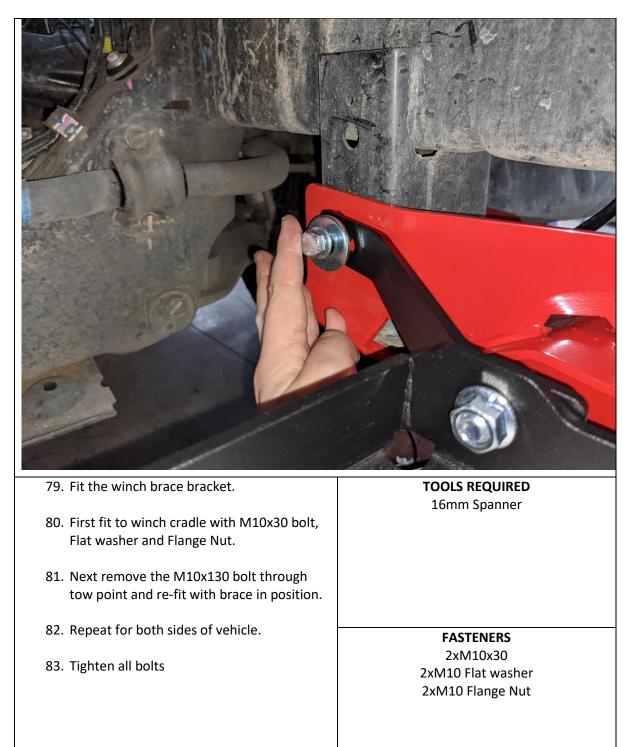
- 72. For Laramie models the wheel arch flare needs to be trimmed.
- 73. Place masking tape on flare in location shown.
- 74. Mark cut position inline with bottom of headlight, to the intersection of the molded bumper line then down as shown in image above.
- 75. Carefully cut the line as marked with an angle grinder or air hacksaw.

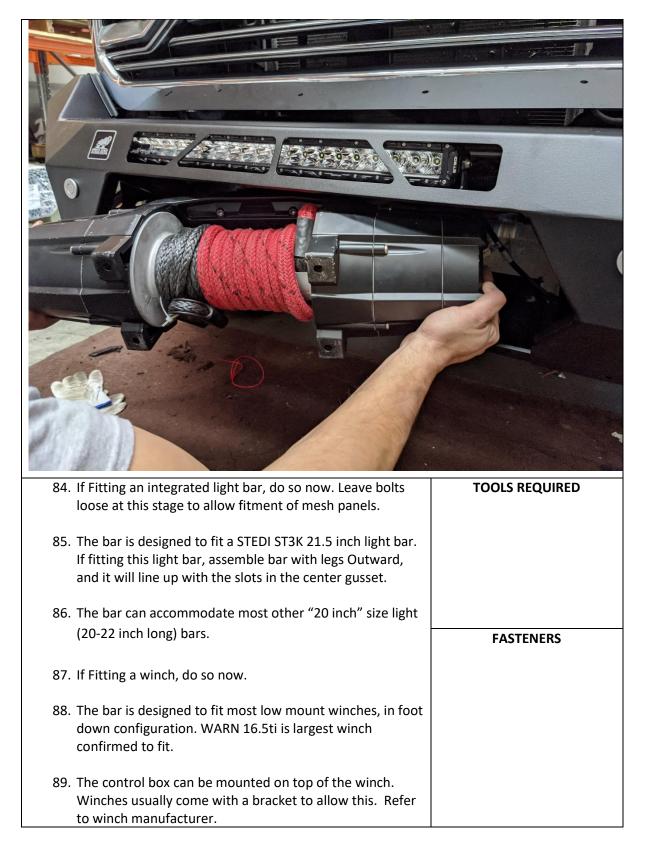
TOOLS REQUIRED Angle Grinder Or Air Hacksaw

FASTENERS

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90. Prepare the Center mesh panel for fitment.	TOOLS REQUIRED
 91. If Required, Fit winch fairlead to Mesh Fairlead Mount. Use M10 or 3/8" Fasteners supplied with winch. The bar is only compatible with Hawse type fairleads. 92. Fit Number plate flip kit to fairlead mount, using fasteners supplied in kit. 	FASTENERS
	FASTENERS

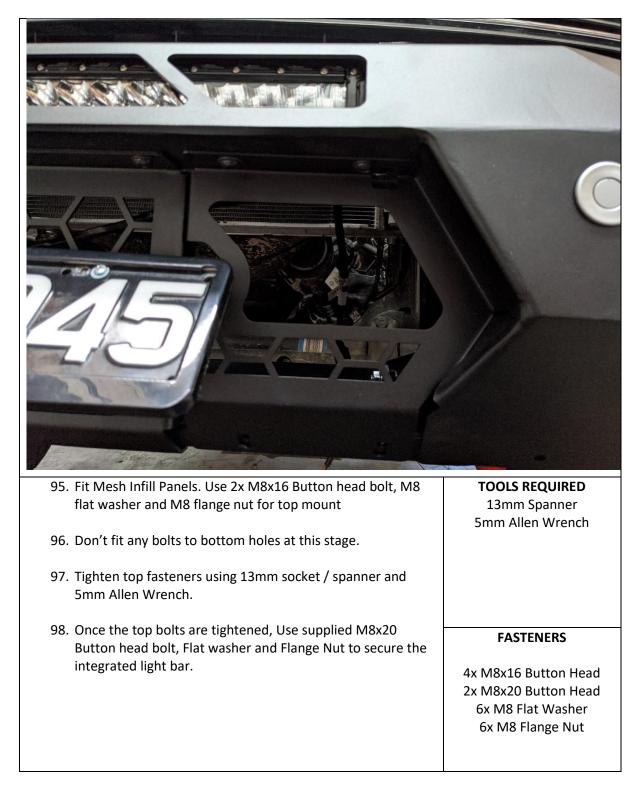


- 93. Fit the Mesh Fairlead Mount to the center of the bar, using M8x16 Button head (Top), M8x20 Button Head (Bottom) M8 Flat washers and M8 Flange Nuts.
- **TOOLS REQUIRED** 13mm Spanner 5mm Allen Wrench

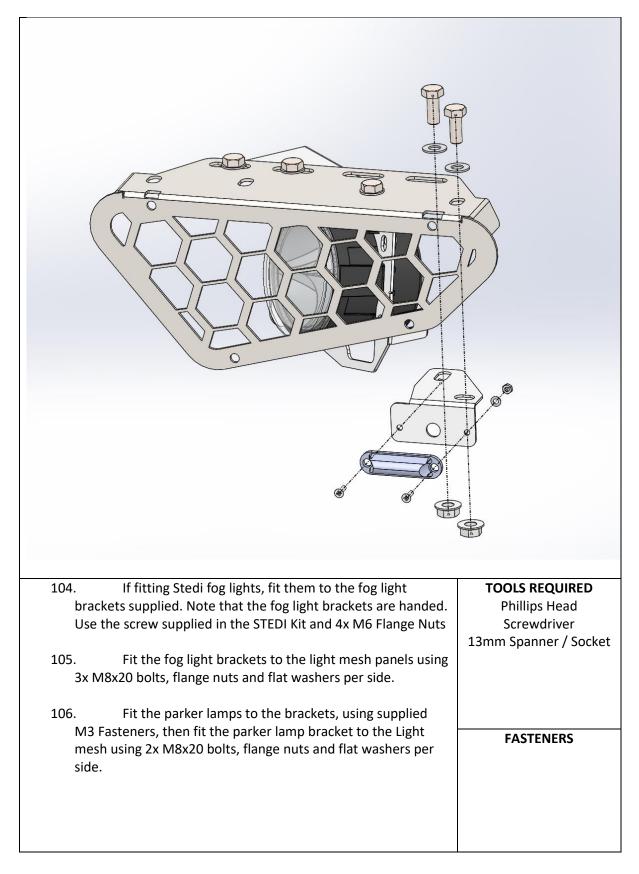
94. Tighten fasteners using 13mm socket / spanner and 5mm Allen Wrench.

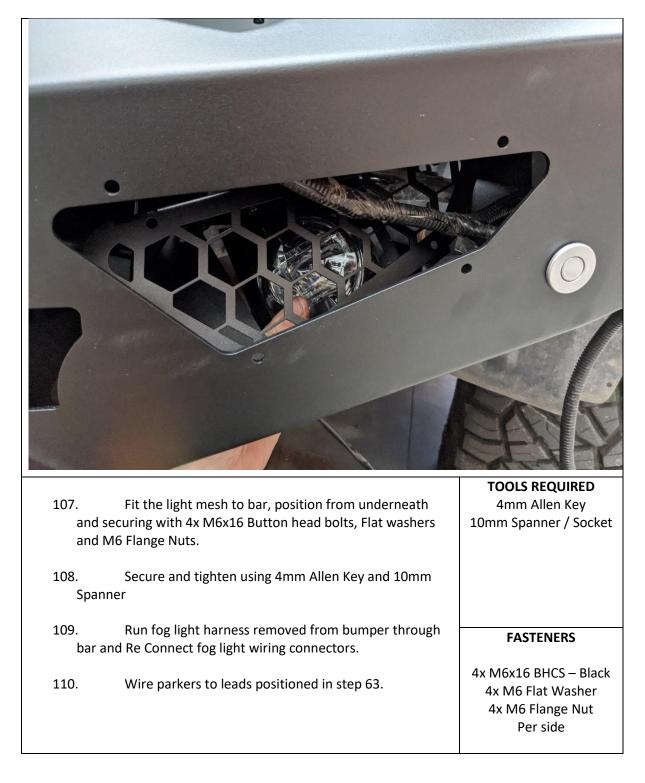
FASTENERS

2x M8x16 Button Head 2x M8x20 Button Head 4x M8 Flange Nut 4xM8 Flat Washer









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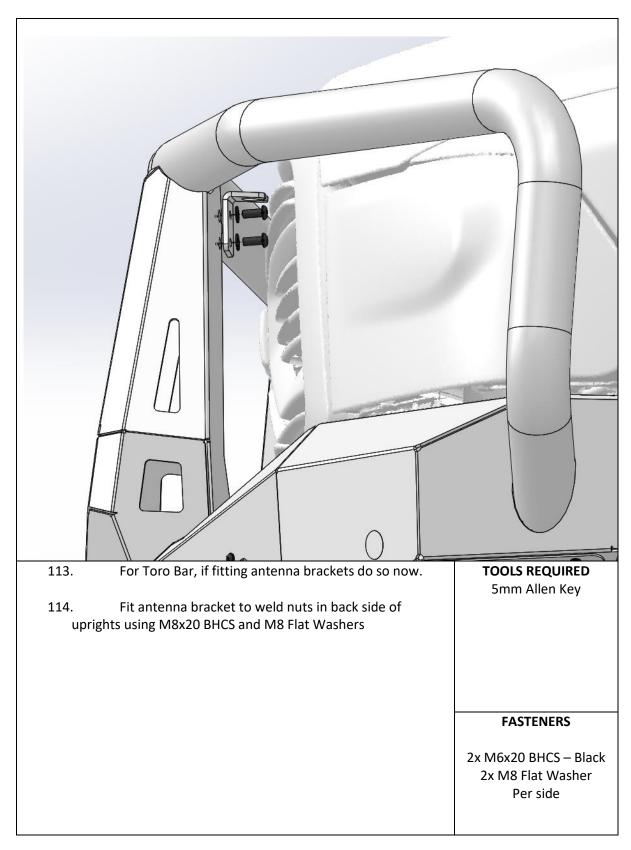
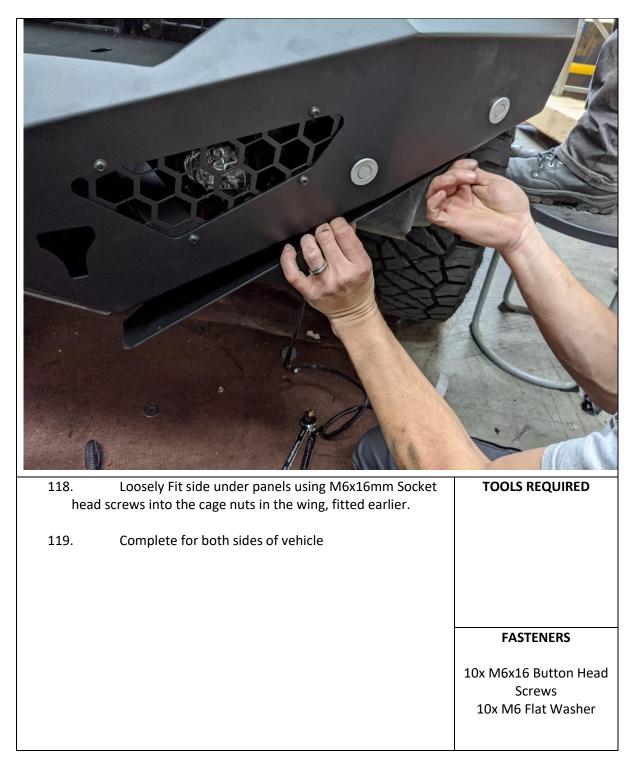
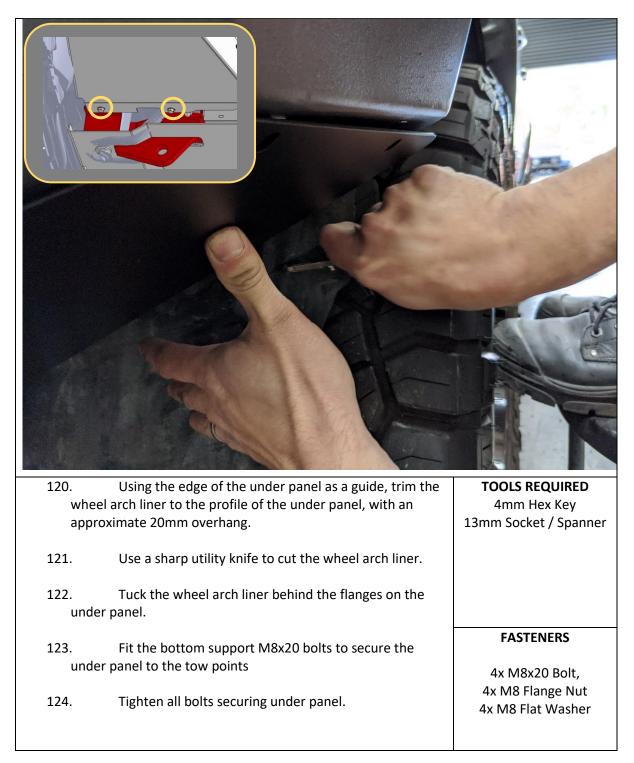


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115. For Express Models, fit the headlight infill panels to the gap between the wing and headlight using M6x16 Button Head Bolts, Flat washers and Flange Nuts.	TOOLS REQUIRED 4mm Allen Key 10mm Spanner / Socket
116. Infills fit from underneath wing and sit under the top face of the wing.	
117. This step is not required for Laramie models as area is	
covered by wheel arch flare	FASTENERS
	4x M6x16 BHCS – Black 4x M6 Flat Washer 4x M6 Flange Nut Per side





© Offroad Animal	
© Offroad Animal 125. Re Check all Fasteners a	re tight. TOOLS REQUIRED
125. Re Check all Fasteners a	number plate flip.
125.Re Check all Fasteners at126.Re-Fit Number Plate to r127.Your done. Hit the tracks	number plate flip.
125.Re Check all Fasteners at126.Re-Fit Number Plate to r127.Your done. Hit the tracks	number plate flip. s and enjoy your newly