



Installation Instructions:
(Part # SB614802)
 2010-2013 Dodge Ram
 1500/2500/3500 M1 Rear Bumper Kit

NOTE: Carefully read entire instructions thoroughly before attempting to install this part.

Parts Included	Qty
93-9324 Rear M1 Bumper	1
93-9344 Sensor Mounting Plate	4
93-9345 Sensor Hole Cover Plate	4
93-9347 Trailer Harness Receptacle Mount	1
90-9348 Bolt Plate:	2
93-9350 1/4" Hitch Shim	2
93-9351 Exhaust Cover: Driver	1
93-9354 Exhaust Cover: Passenger	1
93-9508 Rear Bumper Mount Bracket: 2013 Only	2
93-9509 Cover Plate: 2013 Only	1
S/B612800-03 2 1/2" Clear Back-Up light Kit	1
90-7318 Light Mount	2
90-6886 Hardware Pack: Bumper Mount	1
1/2"-13 Stover Nut Gr. C	4
1/2" SAE Hardened Flat Washer	4

Parts Included	Qty
90-6887 Hardware Pack: Covers & Hitch Plug	3
1/4"-20 X 3/4" Black Button Head Bolt	8
1/4"-20 Nylock Nut	8
1/4" Flat Washer Gr. 5	8
90-6882 Hardware Pack: Sensor	1
1/4"-20 X 1/2" Black Button Head Bolt	8
1/4" Flat Washer Gr. 5	8
1/4" Nylock Nut	8
90-6949 Hardware Pack: Bumper	1
5/8"-11 X 1 1/2" Hex Bolt Gr. 8	2
5/8" -11 Stover Nut Gr. C	2
5/8" Hardened Flat Washer	4
90-6577 Hardware Pack: Bumper	2
3/8"-16 X 1" Hex Bolt Gr. 8	4
3/8" -16 Stover Nut Gr. C	4
3/8" Hardened Flat Washer	8



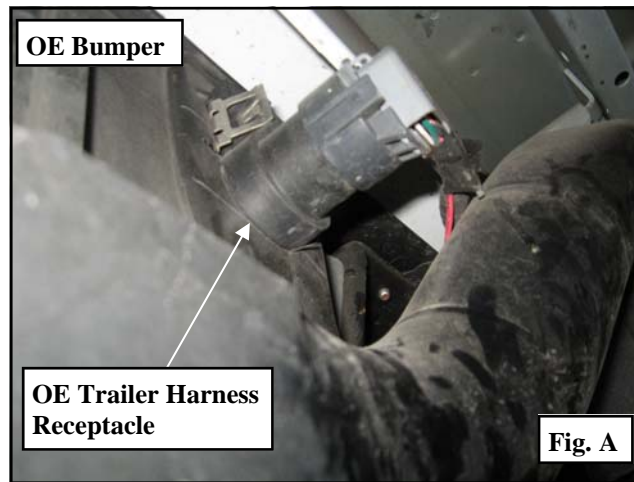
Installation Instructions:

(Part # SB614802)
2010-2013 Dodge Ram
1500/2500/3500 M1 Rear Bumper Kit

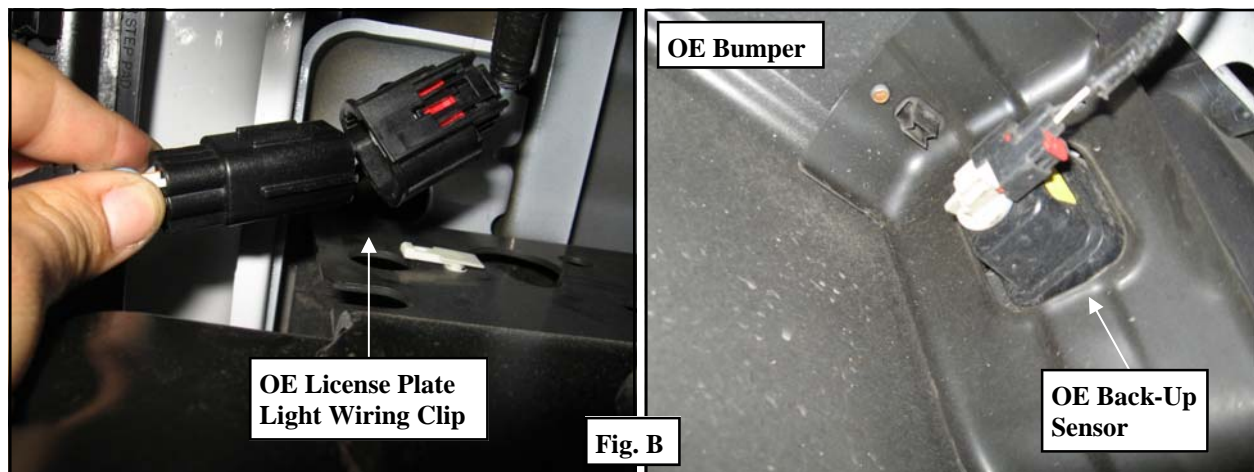
INSTALLATION:

Step 1: Place masking tape on the areas of the rear fenders and tailgate that can be scratched by removal of the **OE** rear bumper.

Step 2: Unplug and remove the **OE** trailer harness receptacle wiring plug, if so equipped. Save the hardware for reinstallation. (Fig A)



Step 3: Unplug the **OE** license plate lights and back up sensors wiring clips, if so equipped. (Fig B)



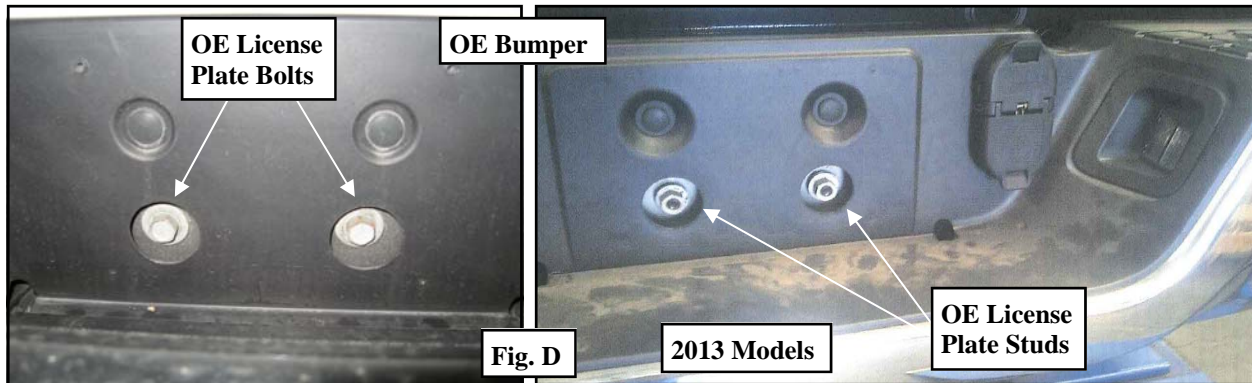
Step 4: Remove the (2) **OE** bolts and (2) **OE** plastic retainers securing the license plate to the **OE** bumper. Remove the license plate from the bumper. (Fig C)

NOTE: 2013 models: remove (2) nuts from the **OE** studs.



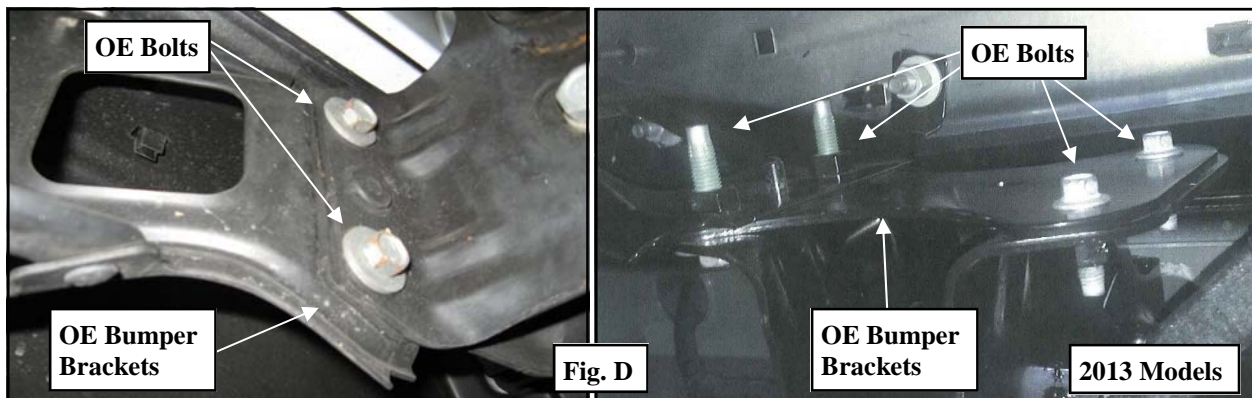
Installation Instructions:

(Part # SB614802)
2010-2013 Dodge Ram
1500/2500/3500 M1 Rear Bumper Kit

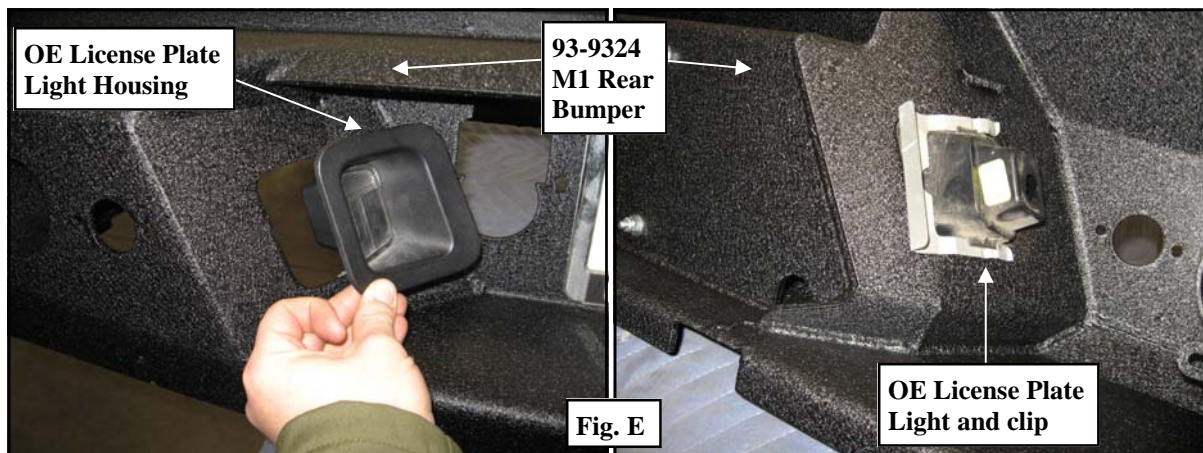


Step 5: While supporting the bumper with a jack, unbolt the (2 per side) OE bumper retaining nuts from the frame. Carefully remove the OE bumper from the vehicle. Save the OE hardware for reinstallation. (Fig D)

NOTE: 2013 models: remove (4 per side) bolts to remove the bumper.



Step 6: Carefully unclip the OE license plate lights, clip and housings from the OE bumper and install them into the mounting holes on the M1 rear bumper (93-9324). (Fig E)



IMPORTANT!: Perform steps 7 through 10, one sensors at a time, carefully noting the



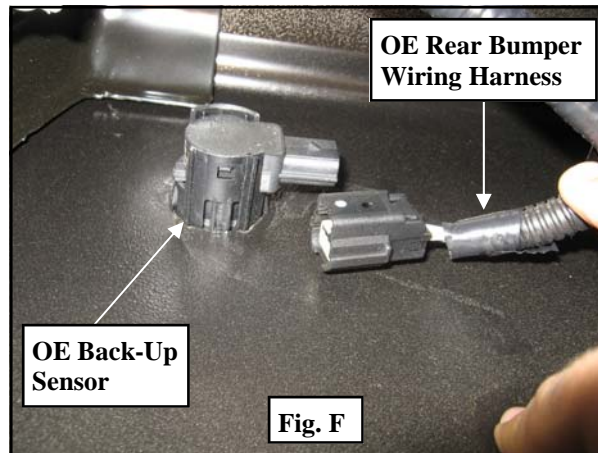
Installation Instructions:

(Part # SB614802)
2010-2013 Dodge Ram
1500/2500/3500 M1 Rear Bumper Kit

original orientation in the OE bumper prior to removal.

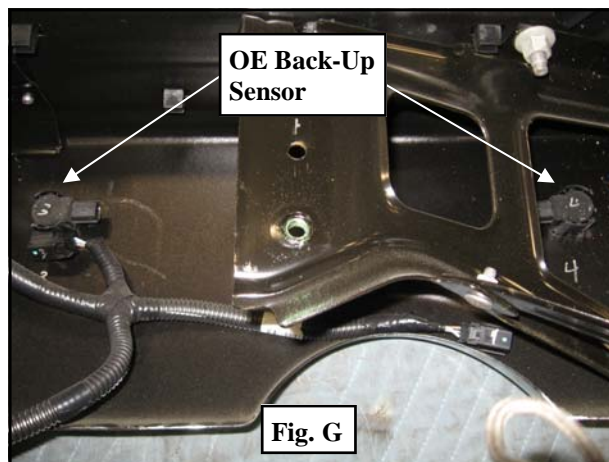
Step 7: Unclip and carefully remove the OE back-up sensor from the OE rear bumper, if so equipped. (Fig F)

Step 8: Remove the OE back-up sensor retainer from the OE bumper, if so equipped. (Fig



G)

NOTE: Be sure to note the orientation of the back-up sensor retainers in the OE bumper prior to removal.



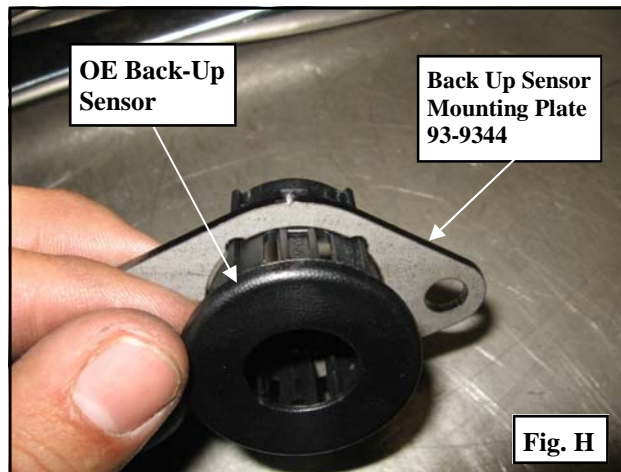
Step 9: Install the previously removed OE back-up sensor retainer into the back-up sensor mounting plate (93-9344). See (Fig H) for proper orientation.

Step 10: Install the back-up sensor assembly into the mounting hole on the M1 rear bumper



Installation Instructions:

(Part # SB614802)
2010-2013 Dodge Ram
1500/2500/3500 M1 Rear Bumper Kit



(93-9324) according to their original orientation in the OE bumper. Secure using the (8) provided 1/4"-20 X 1/2" black button head bolts and hardware.

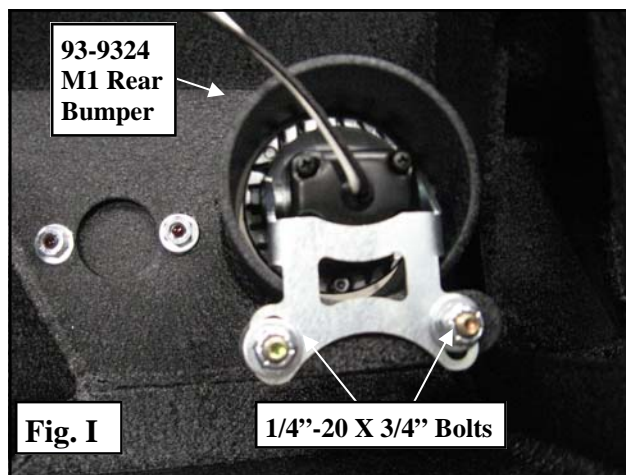
NOTE: For vehicles without back-up sensors, attach the sensor cover plates (93-9345) to the M1 bumper instead.

Step 11: Install the brackets (90-7318) to the 2 1/2" clear back-up lights as a replacement for the included mounting bracket from clear back-up light kit (S/B612800-03). (Fig I)

Step 12: Install the back-up lights into the new M1 rear bumper (93-9324) using the supplied (2 per side) 1/4"-20 X 3/4" bolt and hardware. (Fig I)

Step 13: Reinstall

the license plate us-



ing the remaining (4) 1/4"-20 X 3/4" bolt and hardware.

Step 14: Install the OE trailer harness receptacle, into the receptacle mount (93-9347). In-

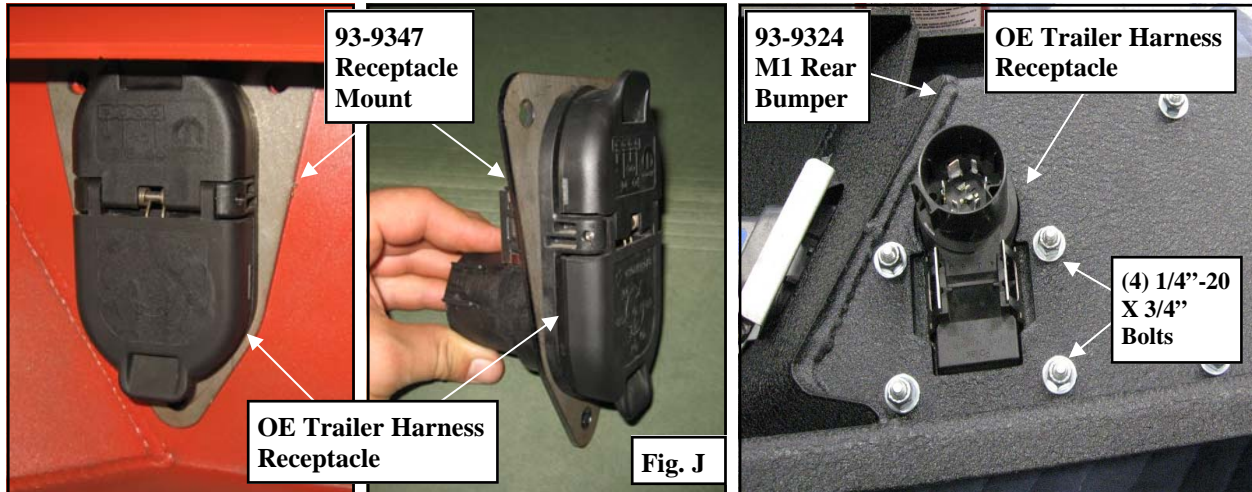


Installation Instructions:

(Part # SB614802)
2010-2013 Dodge Ram
1500/2500/3500 M1 Rear Bumper Kit

Install the receptacle assembly to the M1 bumper (93-9324) using the provided 1/4"-20 X 3/4" bolts and hardware. (Fig J)

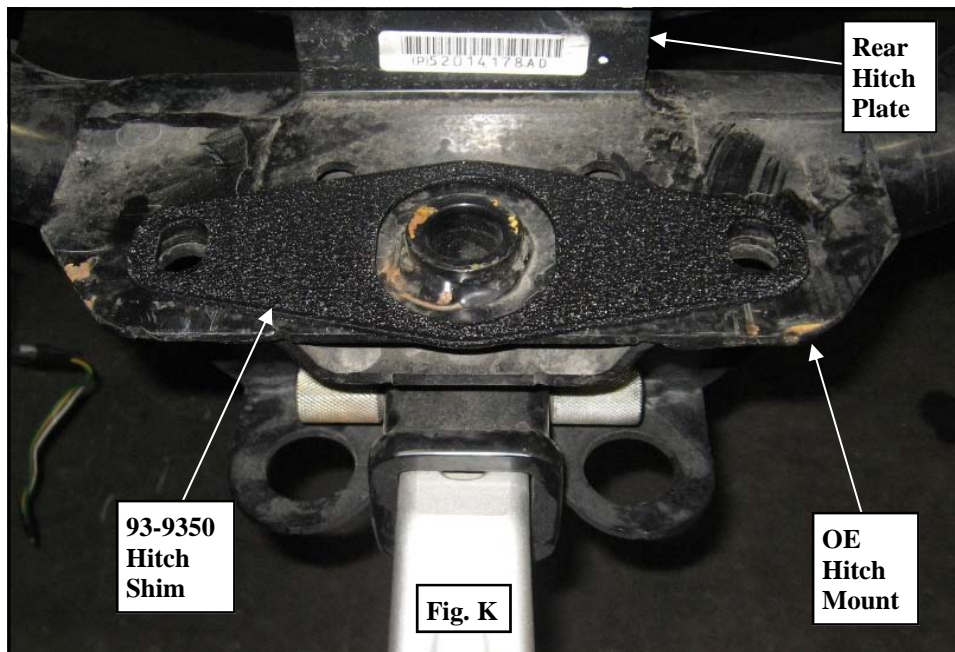
Step 15: Insert the hitch shim (93-9350) on the OE hitch mount. Some vehicles may require



the use of the second hitch shim to achieve the proper bumper position. (Fig K)

NOTE: 2013 models: the rear hitch plate will need to be back toward the spare tire approximately 5-10"

Step 16: Insert the (1 per side) bolt plate (90-9348) into the access windows in the M1 rear



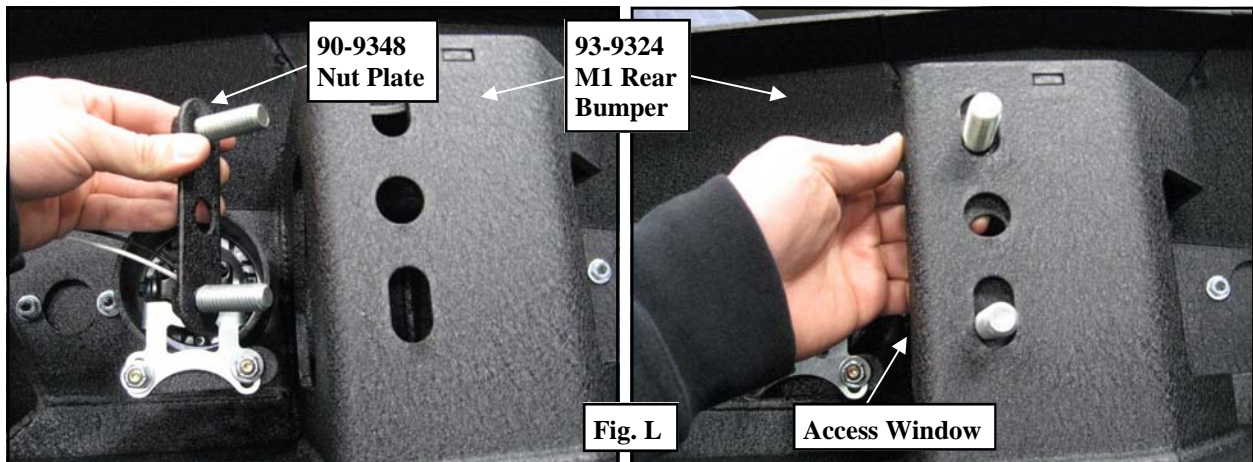
(93-9324). (Fig L)

2013 Models only: Install the (1 per side) M1 rear bumper mounting brackets (93-9508)



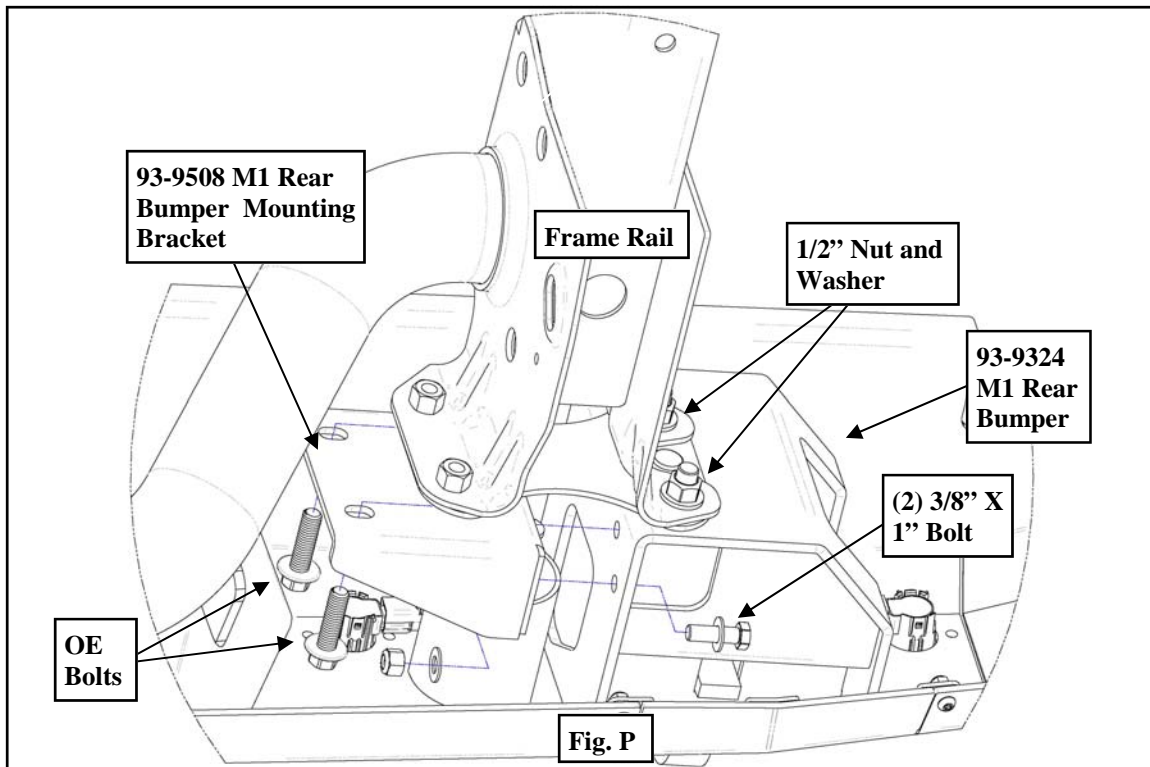
Installation Instructions:

(Part # SB614802)
2010-2013 Dodge Ram
1500/2500/3500 M1 Rear Bumper Kit



to the M1 rear bumper (93-9324). Secure using the (4 per side) 3/8" X 1" bolts and hardware. (Fig P)

Step 17: Carefully raise the new M1 rear bumper (93-9324) into position. Secure the M1



rear bumper to the (2) inner frame mounting holes using the (2 per side) 1/2" nuts and washers. (Fig Q)

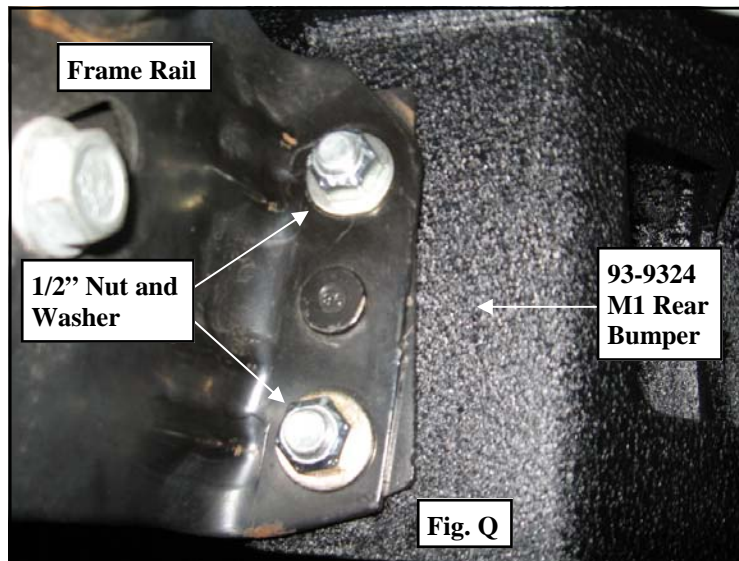
NOTE: 2013 Models only: Secure the rear bumper brackets to the (2) inner frame mount holes using the (2 per side) previously removed OE bolts.

Step 18: Properly align the M1 bumper (93-9324) on the vehicle. Once proper alignment is



Installation Instructions:

(Part # SB614802)
2010-2013 Dodge Ram
1500/2500/3500 M1 Rear Bumper Kit

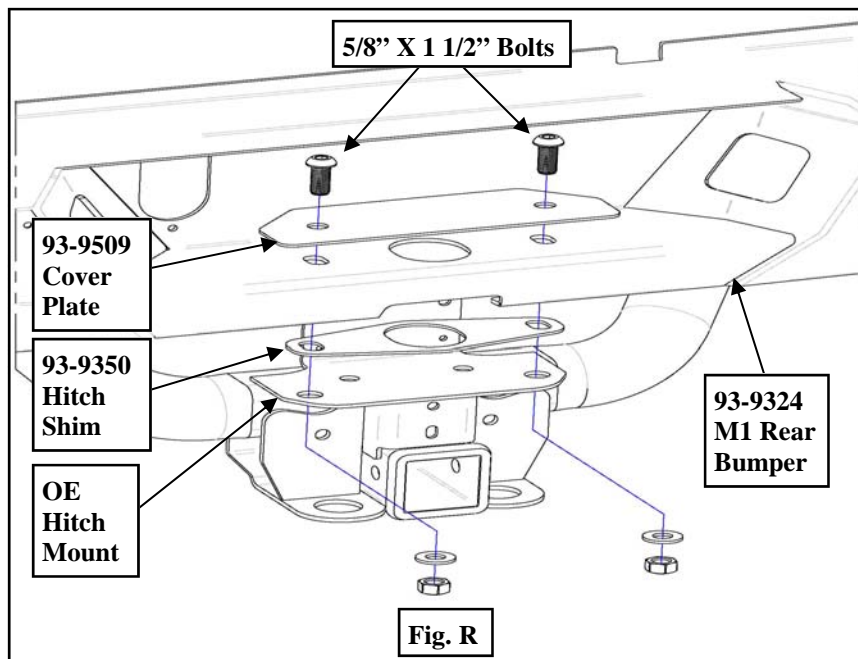


achieved, torque the 1/2" bumper mounting hardware to 85 ft./lbs and the OE hardware to manufacturers specifications. (Fig Q)

IMPORTANT!: Be sure to check clearance between the bumper and tailgate when the tailgate is in the lowered position before torquing the bolts.

Step 19: Install the cover plate (93-9509) to the M1 rear bumper (93-9324). Insert the (2) supplied 5/8" X 1 1/2" bolts through the cover plate, M1 bumper, OE hitch mount, and hitch shim(s) (93-9350). Secure using the supplied 5/8" X 1 1/2" hardware. (Fig R)

Step 20: Reconnect the rear bumper wiring where previously removed. Use zip ties to secure





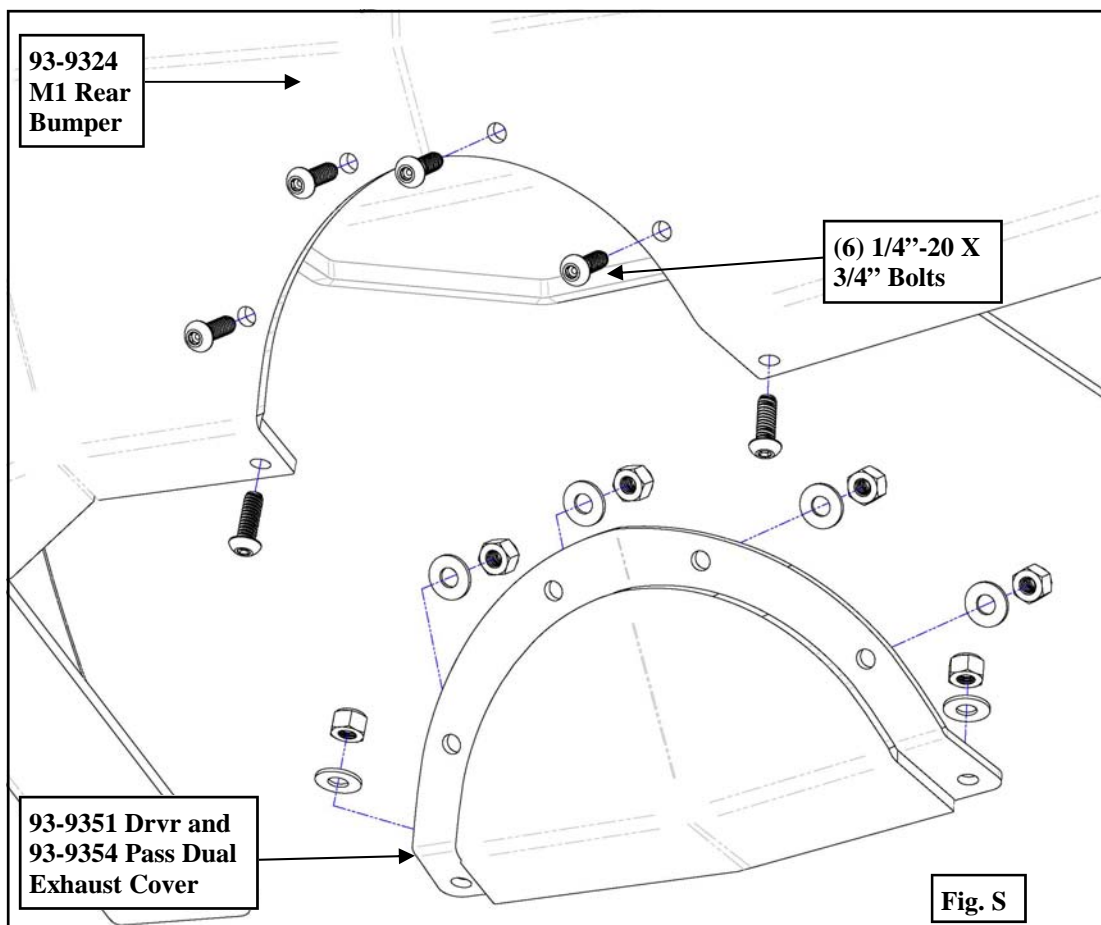
Installation Instructions:

(Part # SB614802)
2010-2013 Dodge Ram
1500/2500/3500 M1 Rear Bumper Kit

the wiring harness to the M1 rear bumper (93-9324).

Step 21: Connect the back-up light wiring per instructions, to a switch or in conjunction with auxiliary back-up lights. Test, aim & adjust the lights at this time.

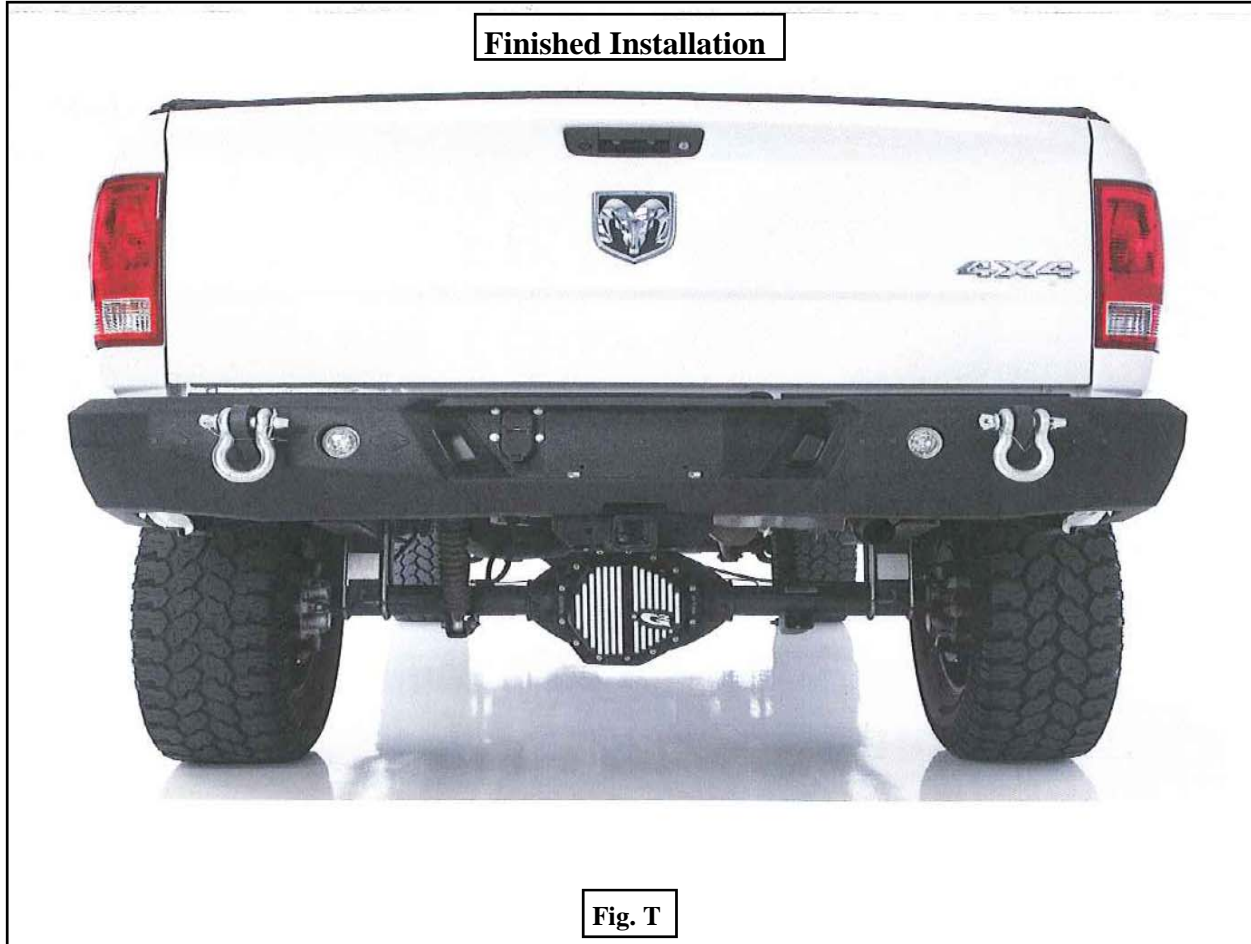
Step 22: For vehicles not equipped with rear exiting dual exhaust install the exhaust covers (93-9351 Drvr and 90-9354 Pass) to the M1 bumper (93-9324) using the (6 Per Side) supplied 1/4" -20 X 3/4" button head bolts and hardware. (Fig S)



Step 23: Installation is now complete. (Fig T)



Installation Instructions:
(Part # SB614802)
2010-2013 Dodge Ram
1500/2500/3500 M1 Rear Bumper Kit





Installation Instructions:

(Part # SB614802)
 2010-2013 Dodge Ram
 1500/2500/3500 M1 Rear Bumper Kit

Use this only as a guide for hardware without a called out torque specification in the instruction manual.

Bolt Torque and ID						
Decimal System			Metric System			
All Torques in Ft. Lbs. Maximums						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290

1/2-13x1.75 HHCS

Grade 5 Grade 8
(No. of Marks + 2)

D T L X

G = Grade (Bolt Strength)
 D = Nominal Diameter (Inches)
 T = Thread Count (Threads per Inch)
 L = Length (Inches)
 X = Description (Hex Head Cap Screw)

M12-1.25x50 HHCS

P = Property Class (Bolt Strength)
 D = Nominal Diameter (Millimeters)
 T = Thread Pitch (Thread Width, mm)
 L = Length (Millimeters)
 X = Description (Hex Head Cap Screw)