



Installation Instructions:

(Part # SB612800)
 2006-2009 Dodge Ram 2500/3500
M1 Front Bumper Kit

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

Parts Included	Qty
93-9467 M1 Front Bumper	1
93-7843 Winch Mounting Plate	1
93-7834 Bumper Mounting Bracket: Driver	1
93-7840 Bumper Mounting Bracket: Passenger	1
90-7830 Bumper Shim: 1/4"	2
90-7831 Bumper Shim: 1/8"	2
93-7829 License Plate Mount	1
90-7827 Bumper Mount Nut Plate	2
90-7833 Window Bezel: Driver	1
90-7832 Window Bezel: Passenger	1
90-7318 Fog Light Bracket: DLAA LA5070	2
90-6867 Hardware Pack: Front Bumper	1
5/8" X 4" Hex Bolt Gr. 8	4
5/8" Stover Nut	4
5/8" SAE Hardened Flat Washer	8
1/2" X 2" Hex Bolt Gr. 8	4
1/2" USS Hardened Flat Washer	4
1/2" X 3 1/2" Hex Bolt Gr. 8	4
1/2" Stover Nut	4

Parts Included	Qty
1/2" SAE Hardened Flat Washer	8
1/2" X 5" Hex Bolt Gr. 8	4
1/2" Stover Nut	4
1/2" SAE Hardened Flat Washer	8
7/16" X 1 1/4" Hex Bolt Gr. 8	2
7/16" Stover Nut	2
7/16" SAE Hardened Flat Washer	4
1/4"-20 X 3/4" Hex Bolt Gr. 8	10
1/4"- 20 Nylock Nut	10
1/4" SAE Hardened Flat Washer	16
1/4" USS Flat Washer	4
#10-24 X 3/4" Stainless Button Head Bolt	8
#10-24 Nylock Nut	8
#10-24 SAE Flat Washer	8
S/B612800-01 3 1/2" Clear Driving Light Kit	1
S/B612800-02 2 1/2" Amber Driving Light Kit	1
90-6319 Hardware Pack: Front Bumper	1
10999 11" Black Zip Ties	12



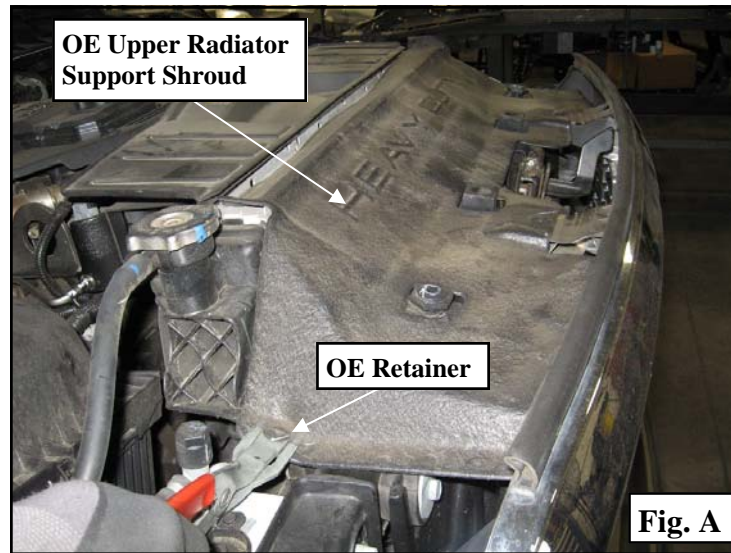
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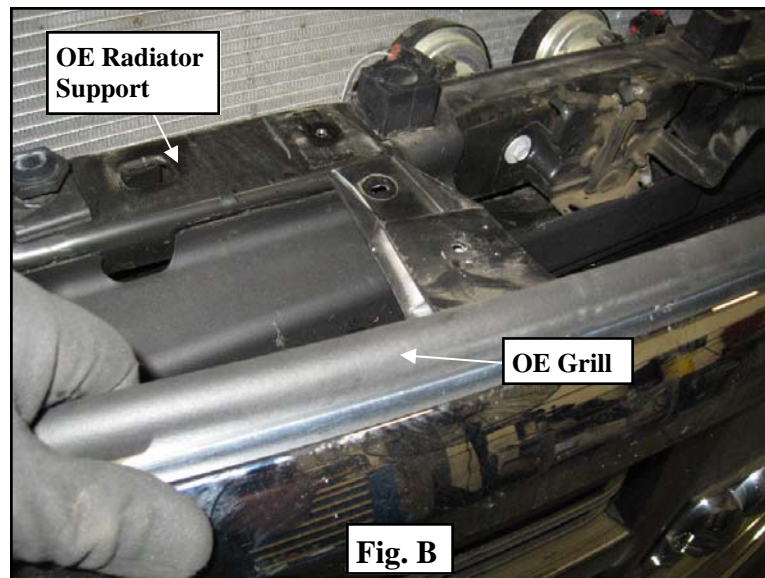
INSTALLATION:

Step 1: Unclip the wiring harness for the fog lights in the **OE** front bumper if so equipped.

Step 2: Remove the upper radiator shroud by popping out the **OE** retainers. Save the hardware for reinstallation. (Fig A)



Step 3: Unbolt the **OE** upper grill retaining bolts. Unclip the lower **OE** retainers from the grill and remove it from the vehicle. (Fig B)

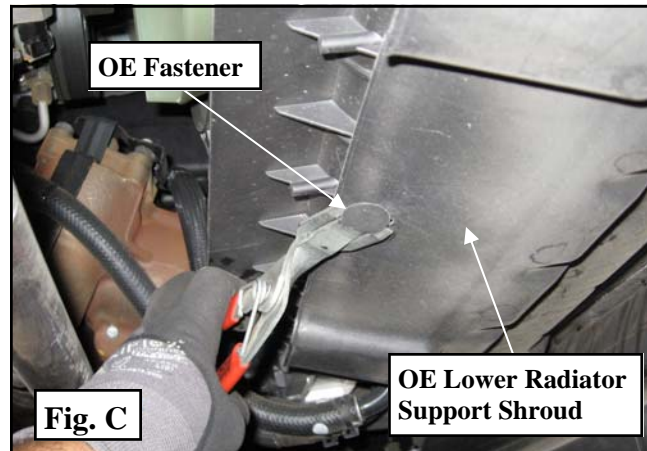




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Step 4: Remove the OE push pin from the lower radiator shroud. (Fig C)



NOTE: Tape off the edges of the front fender and the headlights with masking tape to avoid scratching these areas when removing the bumper.

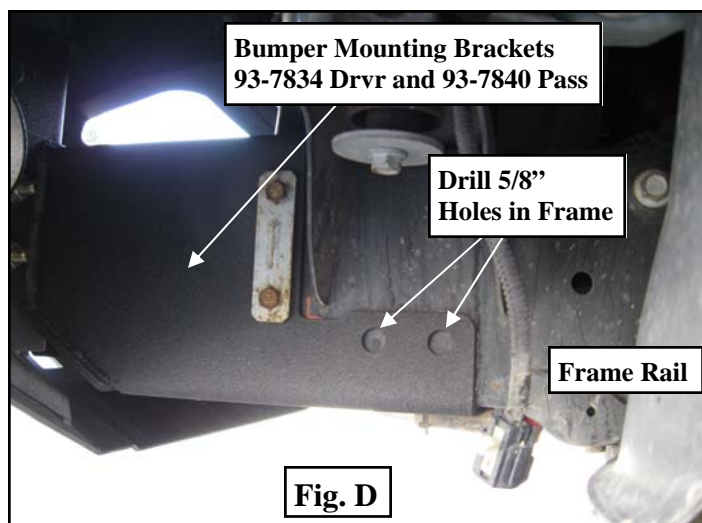
Step 5: Remove the front license plate from the vehicle. Save for reinstallation.

Step 6: Unbolt the OE bumper from the frame and carefully remove it from the vehicle.

IMPORTANT!: Refer to your Dodge factory manual for your, vehicle specific, bumper removal instructions.

Step 7: Unbolt and remove the OE crash guards under the frame rails, if so equipped.

Step 8: If the vehicle did not come equipped with crash guards, temporarily install the bumper mounting brackets (93-7834 Drvr and 93-7840 Pass) as a guide to drill the 5/8" mounting holes in the frame. (Fig D)

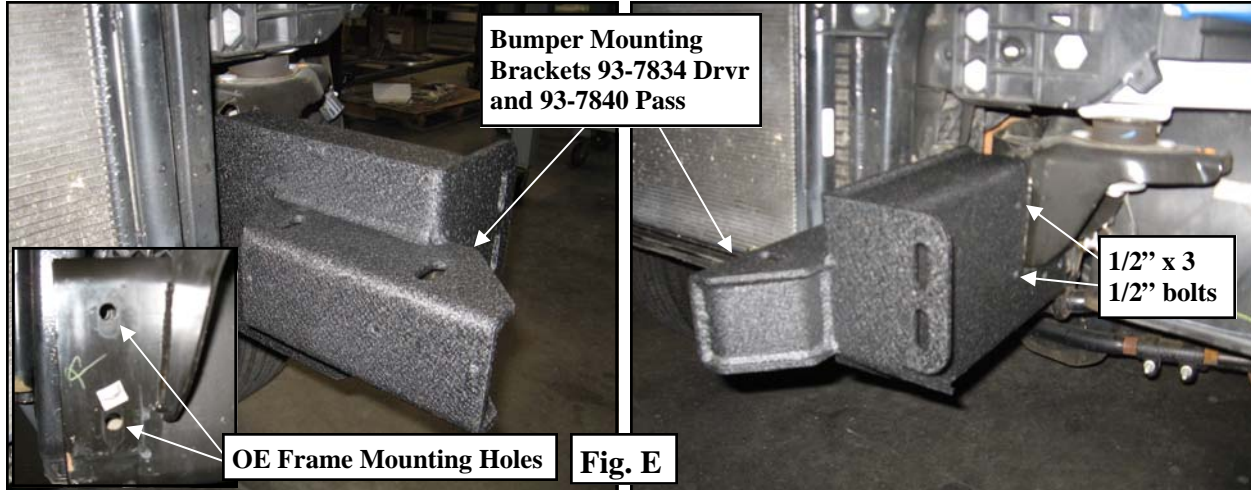




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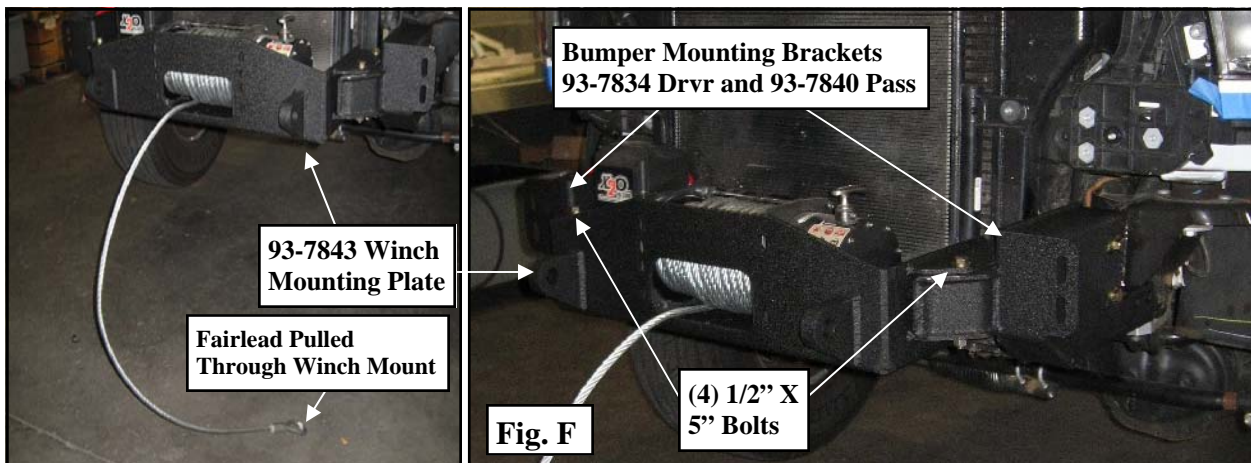
Step 9: Install the bumper mounting brackets (93-7834 Drvr and 93-7840 Pass) onto the frame rails using the supplied (2 per side) 5/8" X 4" bolts, (2 per side) 1/2" X 3 1/2" bolts and hardware. Do not tighten these bolts at this time. (Fig E)



IMPORTANT!: If you are installing a winch, do so at this time. The winch will be secured to the winch mounting plate (93-7843) by the hardware supplied in the winch kit. Be sure to pull the winch cable and hook through the window in the winch mounting plate. Leave at least 3 to 4 feet of slack in the cable. (Fig F)

Step 10: Lift the winch mounting plate (93-7843) onto the bumper mounting brackets (93-7834 Drvr and 93-7840 Pass). Be sure to slide the winch mounting plate (93-7843) into the channels and secure it using the supplied (2 per side) 1/2" X 5" bolts and hardware. Be careful not to hit the radiator or coolers. Do not tighten the 1/2" bolts at this time. (Fig F)

NOTE: Be sure to insert the bolts from the top down.



Step 11: Reinstall the previously removed upper radiator shroud and OE grill using the previously removed OE hardware.

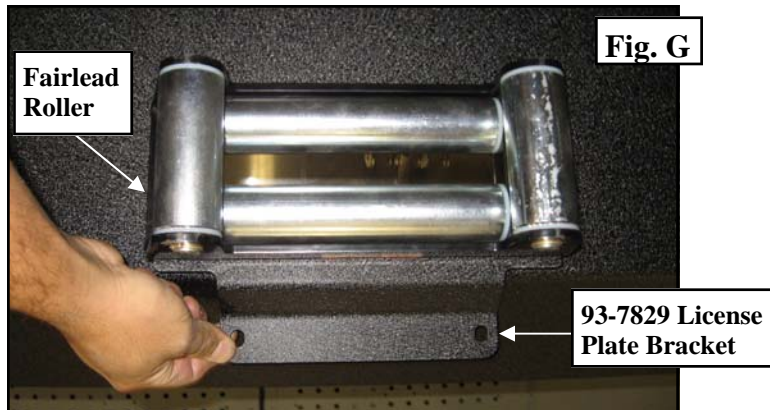


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Step 12: Install the license plate bracket (93-7829) and fairlead roller onto the new M1 bumper (93-9467) using the (2) supplied 7/16" X 1 1/4" bolts and hardware. (Fig H) Secure the license plate to the license plate bracket using the (2) supplied 1/4" X 3/4" bolts and hardware. (Fig G)

NOTE: License plate bracket may be installed above or below the fairlead. Smittybilt license plate holder (4432) can be purchased separately.

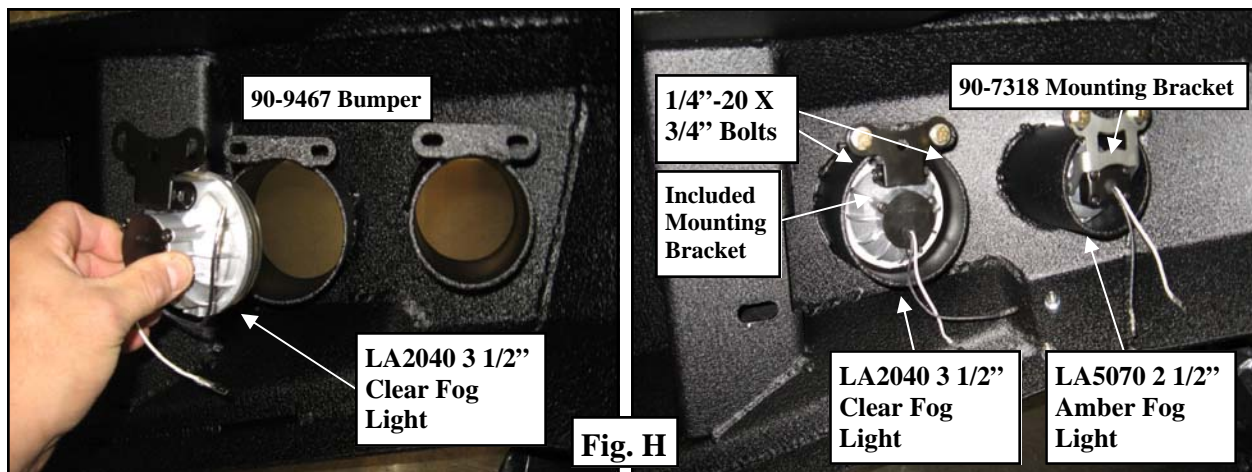


Step 13: Modify the vehicle wiring harness and DLAA fog light connector.

IMPORTANT!: DO NOT connect the winch or fog lights wiring harnesses until the bumper is fully installed.

Step 14: Install the bracket (90-7318) to the 2 1/2" amber DLAA fog light (LA5070) as a replacement for the included mounting bracket from amber driving light kit (S/B612800-02). (Fig H)

Step 15: Install the included mounting bracket to the 3 1/2" clear DLAA fog light (LA2040) from clear driving light kit (S/B612800-01). (Fig H)



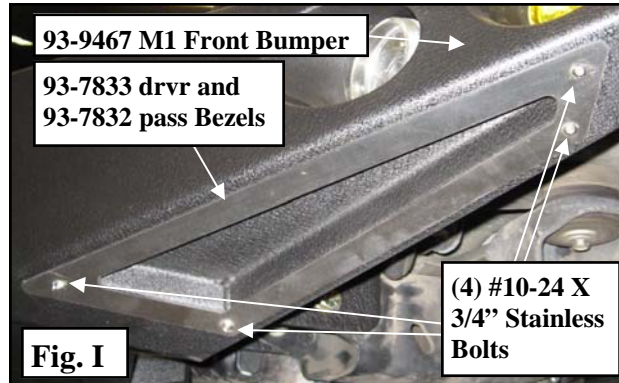
Step 16: Install the fog lights into the new M1 front bumper (93-9467) using the supplied (4 per side) 1/4"-20 X 3/4" bolt and hardware. (Fig H)



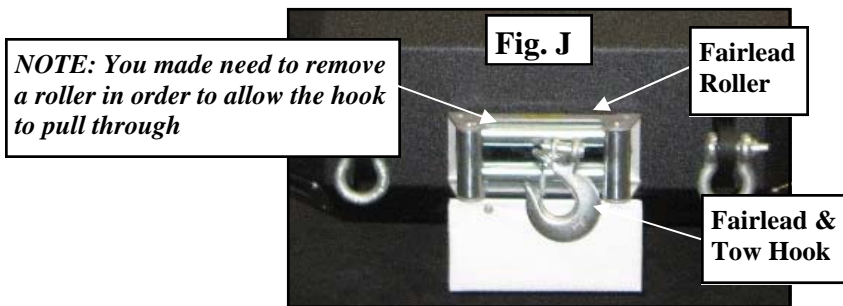
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Step 17: Install the window bezels (90-7833 drvr and 90-7832 pass) to the new M1 front bumper (93-9467) using (4 per side) 10-24 X 3/4" stainless button head bolts and #10 hardware. (Fig I)



Step 18: Pull the tow hook through the roller fairlead on the bumper. (Fig J)



Step 19: Carefully raise, while pulling the winch cable and keeping it tight, and install the new M1 bumper (93-9467) assembly onto the mounting flanges on the bumper mounting brackets (93-7834 Drvr and 93-7840 Pass). Secure using the supplied (2 per side) 1/2" X 2" bolts, (1 per side) nut plates (90-7827) and (2 per side) USS 1/2" washers. (Fig K)

NOTE: 1/4" shims (93-7830) and 1/8" (93-7831) shims are provided in the event that proper bumper alignment can not be achieved. Install the shims as necessary and tighten the 1/2" bolts.





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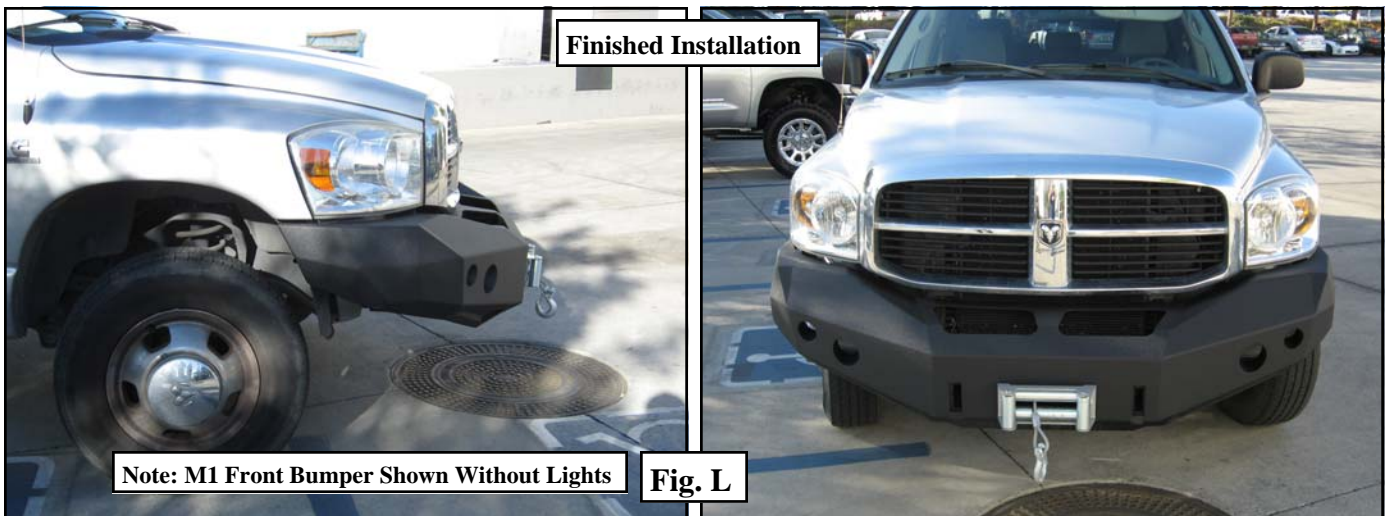
Step 20: With the M1 bumper (93-9467) properly aligned on the vehicle, first torque the 5/8" bumper mounting bracket hardware to **150** ft./lbs. and 1/2" bumper mounting bracket hardware to **85** ft./lbs. Second, torque the 1/2" bumper mounting hardware to **85** ft./lbs. Third, torque the 1/2" winch mounting plate hardware to **85** ft./lbs. Lastly, center the tow hook on the bumper and tighten. (Fig K)

Step 21: Install the winch wiring per the manufacturer's instructions. Carefully route the (+) lead keeping it clear of sharp metal, areas of excessive heat or any moving parts. Secure the leads using the supplied zip ties from pack (90-6319) .

NOTE: *Be sure to select clean area and sand away the wax coating/paint to ensure a proper ground connection.*

Step 22: Connect the fog light wiring connectors to the connectors on the vehicle. Test, aim & adjust the fog lights at this time.

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



Note: M1 Front Bumper Shown Without Lights

Fig. L



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Product cleaning and maintenance instructions

Stainless Steel Finish – Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap, window or glass cleaner may be used to clean the finish. **Dual state powder coat finish** – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you may wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or was that contains abrasive that could damage the finish. **Textured coated finishes** should be cleaned with a mild soap on a damp sponge. Do not apply polish or was that requires to be removed by means of buffing. This type of wax is commonly used at car wash facilities. **Chrome Finish** – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish you should wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or was that contains abrasive that could damage the finish



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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

<p>1/2-13x1.75 HHCS</p> <p>D T L X</p> <p>Grade 5 Grade 8 (No. of Marks + 2)</p>	<p>M12-1.25x50 HHCS</p> <p>D T L X</p>
<p>G = Grade (Bolt Strength) D = Nominal Diameter (Inches) T = Thread Count (Threads per Inch) L = Length (Inches) X = Description (Hex Head Cap Screw)</p>	<p>P = Property Class (Bolt Strength) D = Nominal Diameter (Millimeters) T = Thread Pitch (Thread Width, mm) L = Length (Millimeters) X = Description (Hex Head Cap Screw)</p>