



Jeep Wrangler

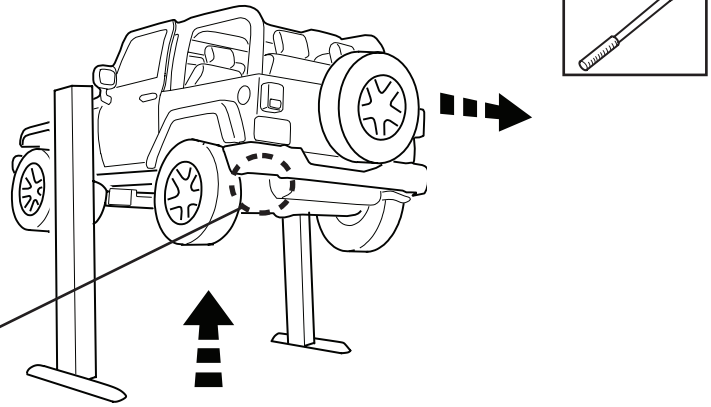
Rear bumper (Standard), Rear Bumper (with Tire Carrier) and Tire Carrier

<p>82213579 Kit # 82213579</p> <p> See steps 1-8</p>		<p>B LH</p>	<p>C RH</p>	<p>D 4x</p>
<p>Kit # 82213580</p> <p> See steps 1-5 then 9-42</p>		<p>B LH</p>	<p>C RH</p>	<p>D 4x</p>
<p>Kit # 82213580 also requires Kit # 82211832AB</p>	<p>L</p>	<p>K 2x</p>	<p>N</p>	<p>P 2x</p>
	<p>J</p>	<p>M</p>	<p>O</p>	<p>W 2x</p>
<p>F</p>	<p>H</p>	<p>R 2x SILVER</p>	<p>U 6x</p>	<p>AA</p>
<p>G</p>	<p>I</p>	<p>T</p>	<p>V 4x</p>	<p>X</p>
<p>Y 3x</p>	<p>Z 2x</p>	<p>AD</p>	<p>AB</p>	<p>AC 2x</p>
<p>18mm 13mm 9/16"</p> <p>3/4" 10mm 1/8" 1/4" 7/16" 13mm 1/2" 9/16" 15mm 11/16" 16mm</p> <p>MYLAR DOT</p> <p>82300508</p>				

1. Raise vehicle
2. Remove tire only if installing Kit # 82211832AB only. Save nuts for re-use in steps 27 & 29.

 See steps 27 & 29

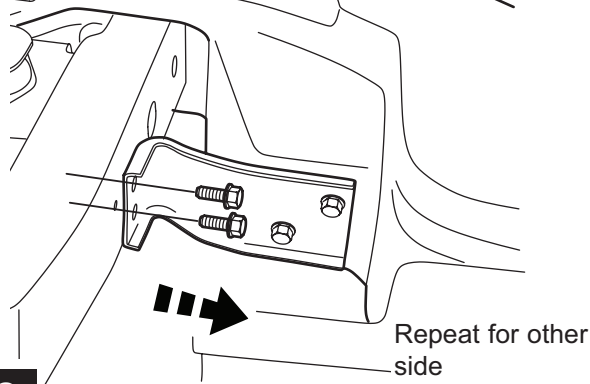
If vehicle is equipped with a factory tow hook, it will need to be removed before proceeding.



1

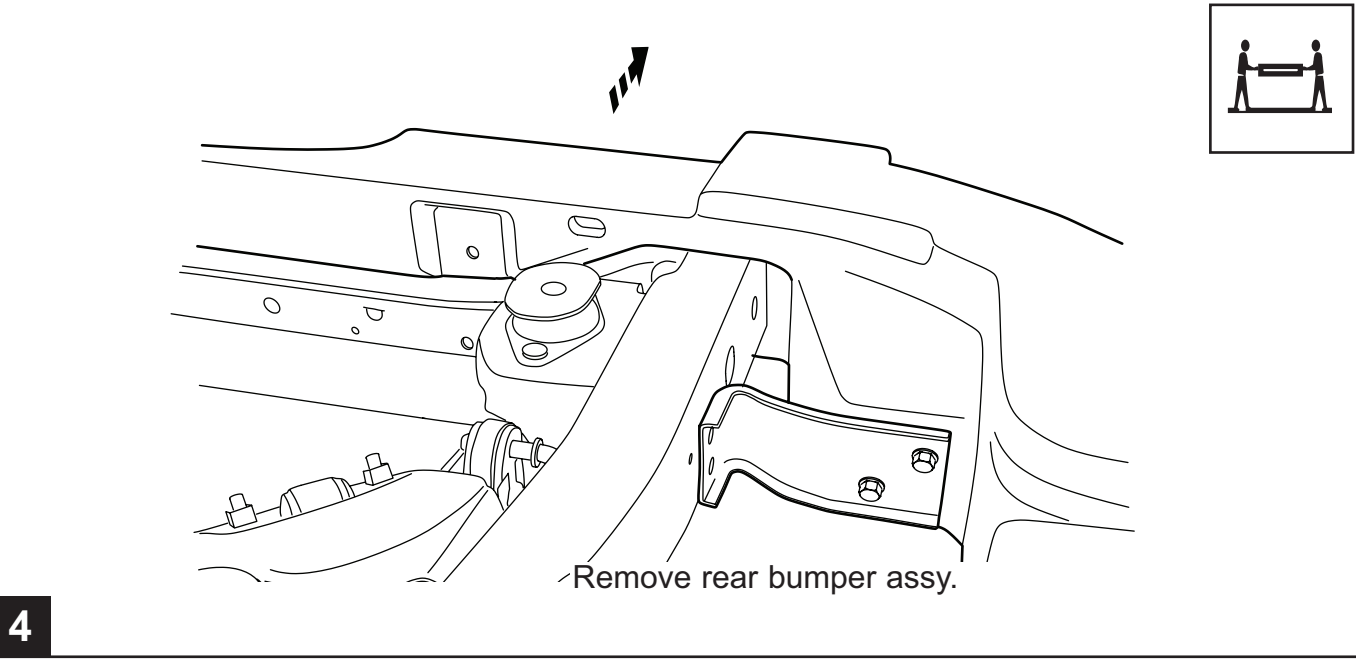
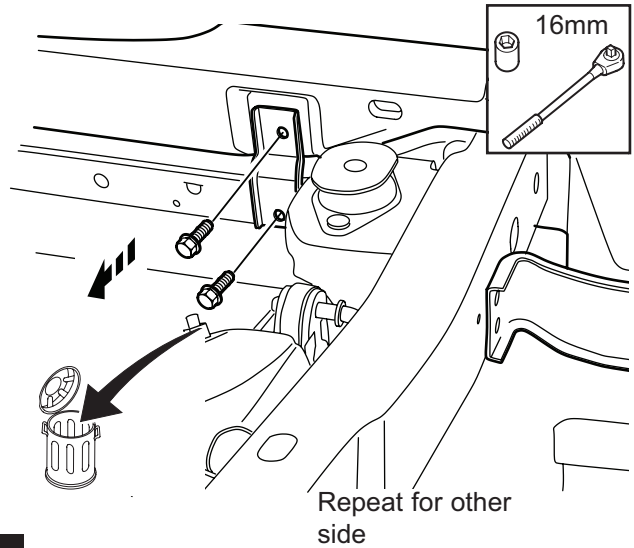
Re-use bolts when installing Bumper Kits # 82213579, and 82213580

 See steps 6 and 10



2

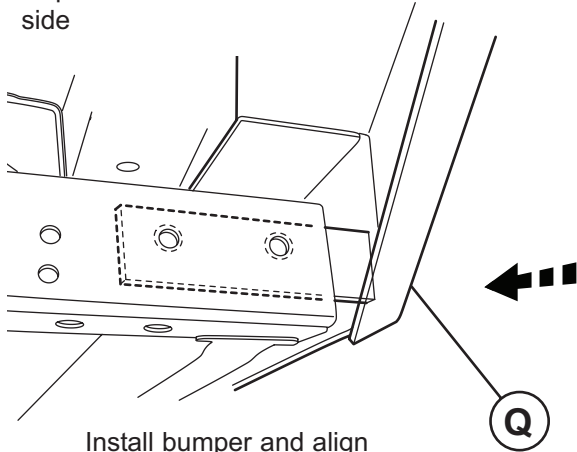
3



4

Install Bumper Kit #82213579

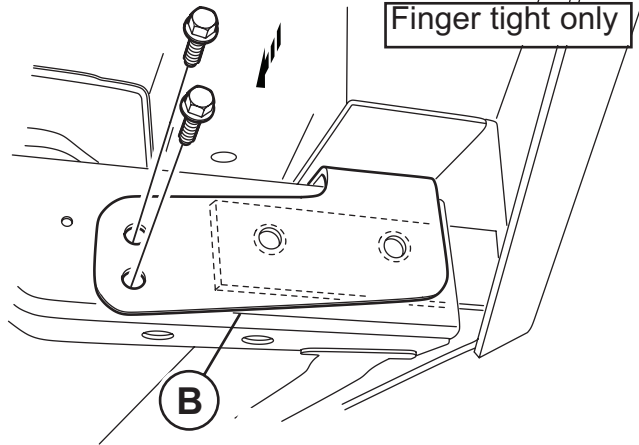
Repeat for other side



Install bumper and align weldnuts in bracket to frame holes.

5

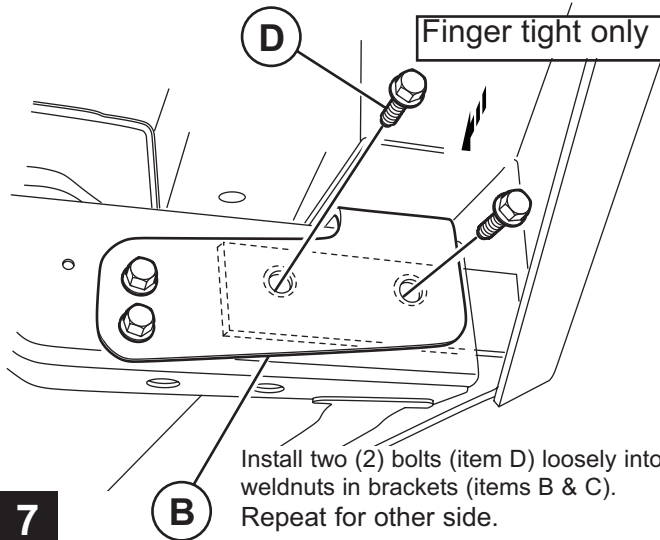
Finger tight only



Position bracket (item B) to align all four (4) holes. Loosely install bolts removed in step 2 - Repeat with bracket (item C) on opposite side.

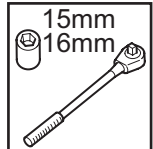
6

Finger tight only



Install two (2) bolts (item D) loosely into weldnuts in brackets (items B & C). Repeat for other side.

7



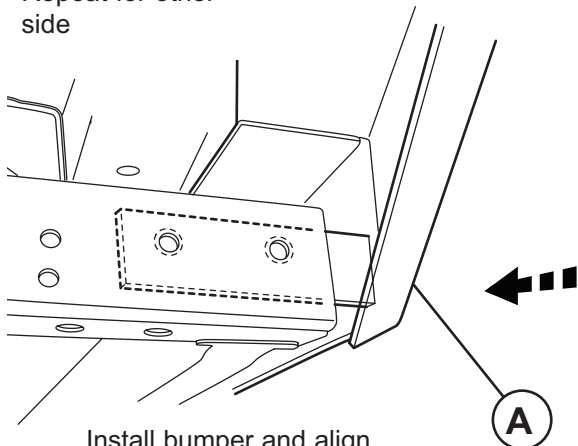
Visually inspect and align bumper for best appearance. Once properly aligned, torque bolts to the following torque requirements:

Factory Bolts: 48 ft-lbs (65 N.m)
Item D Bolts: 85 ft-lbs (115 N.m)

8

Install Bumper Kit #82213580 and Tire Carrier Kit #82211832AB

Repeat for other side

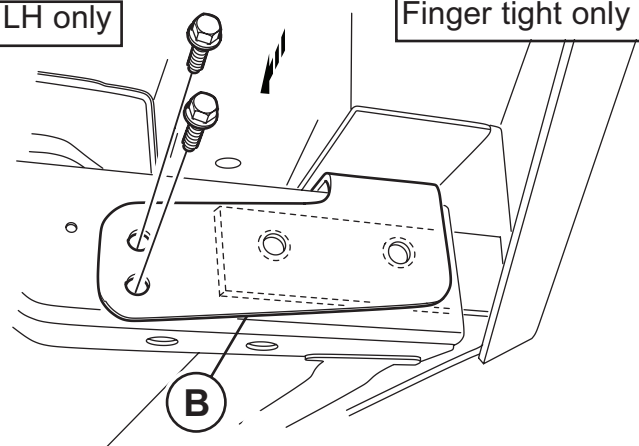


Install bumper and align weldnuts in bracket to frame holes.

9

LH only

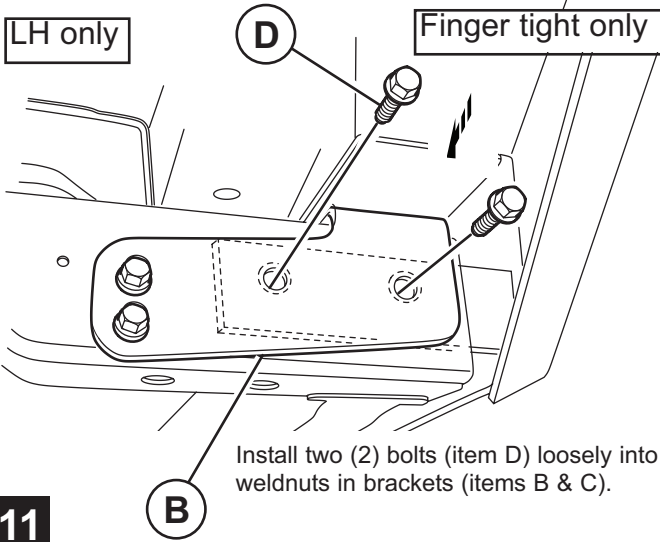
Finger tight only



Position bracket (item B) to align all four (4) holes. Loosely install bolts removed in step 2.

10

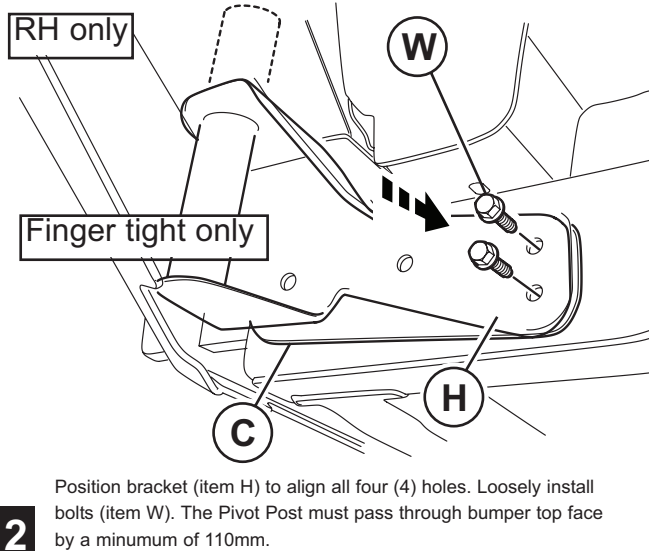
LH only



Install two (2) bolts (item D) loosely into weldnuts in brackets (items B & C).

11

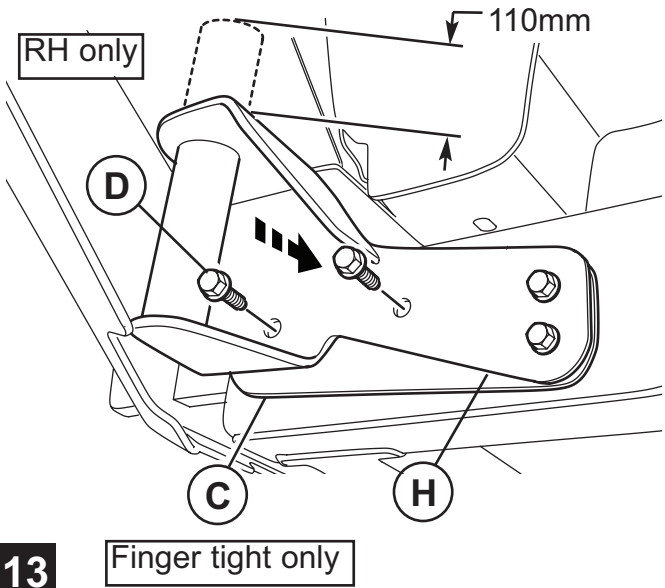
RH only



Position bracket (item H) to align all four (4) holes. Loosely install bolts (item W). The Pivot Post must pass through bumper top face by a minimum of 110mm.

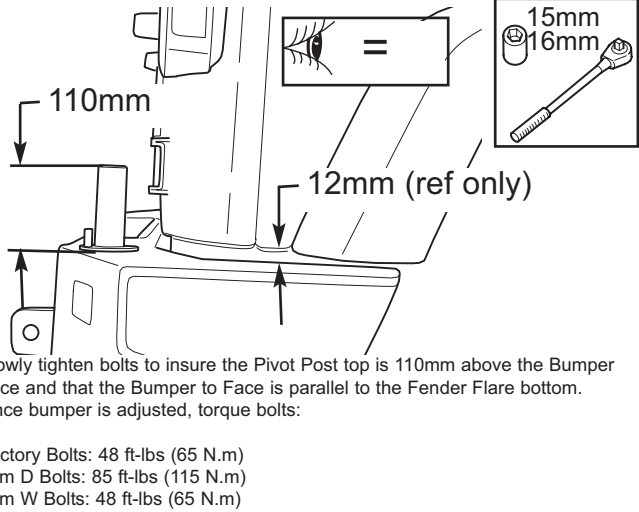
12

RH only



Finger tight only

13

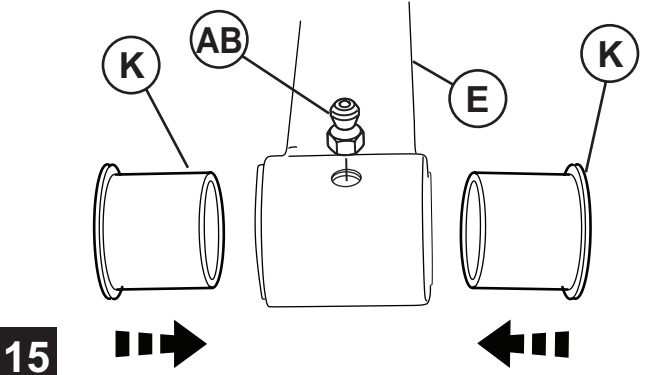


Factory Bolts: 48 ft-lbs (65 N.m)
Item D Bolts: 85 ft-lbs (115 N.m)
Item W Bolts: 48 ft-lbs (65 N.m)

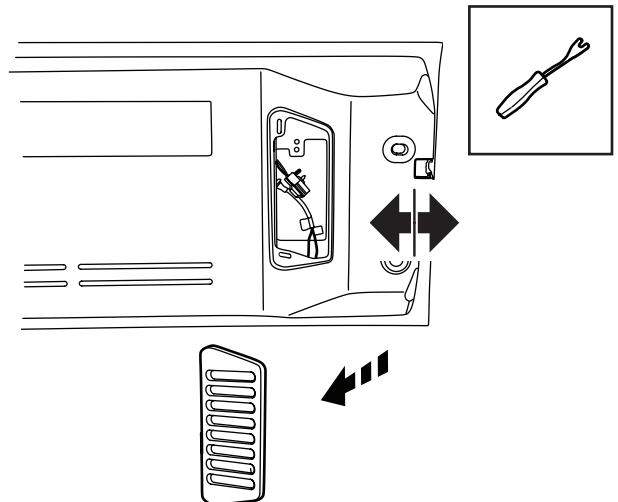
14



Item AB (Grease Fitting) to be lubricated after Step 42 is complete



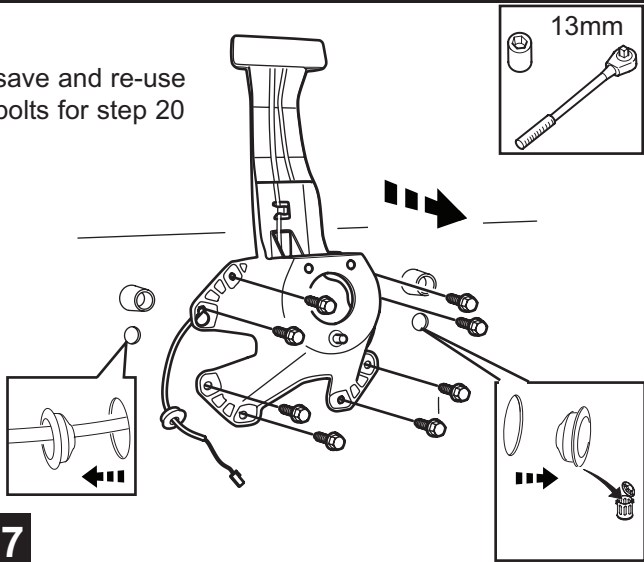
15



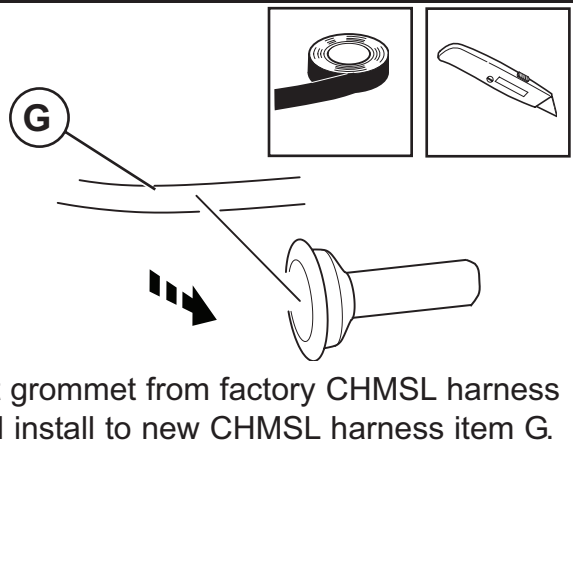
Remove trim panel to access CHMSL wire harness and disconnect.

16

save and re-use bolts for step 20

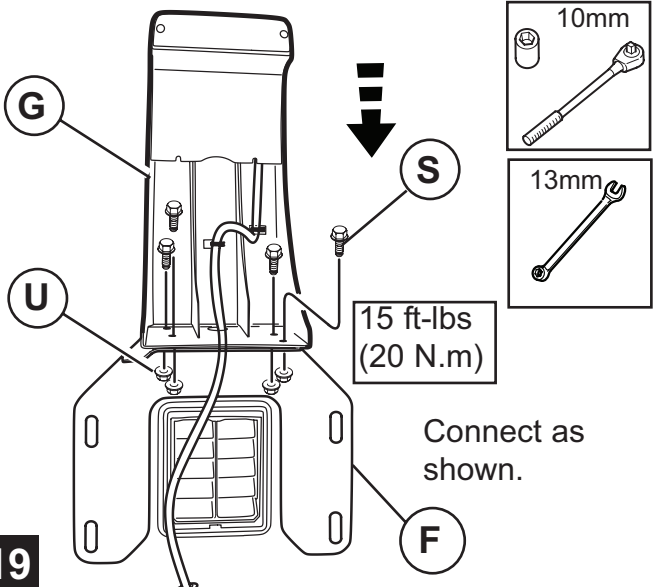


17

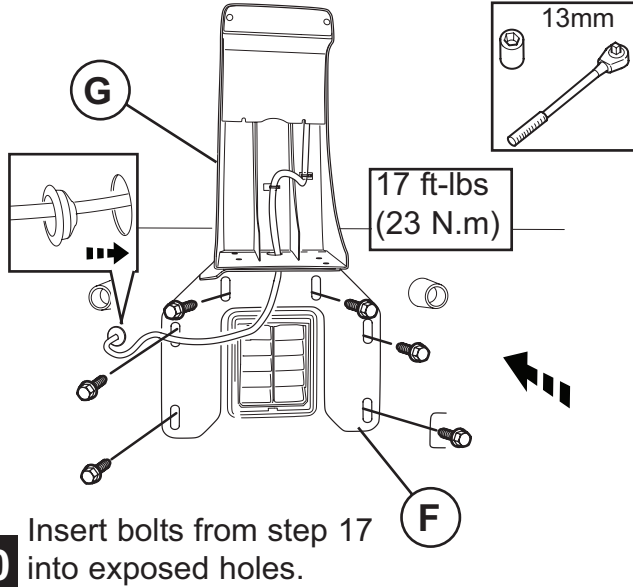


Cut grommet from factory CHMSL harness and install to new CHMSL harness item G.

18

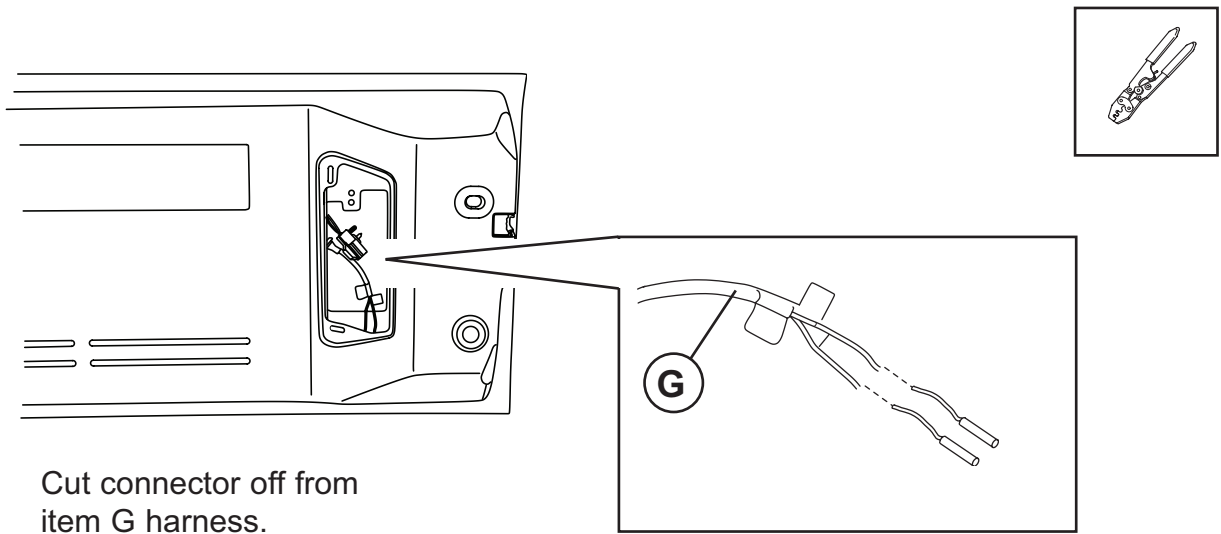


19



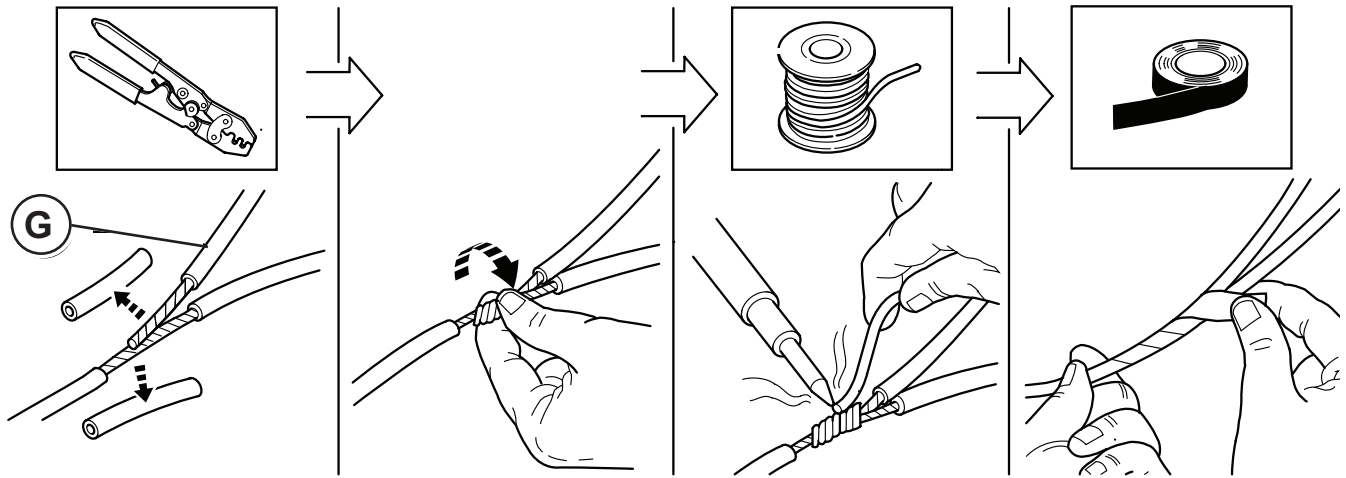
Insert bolts from step 17 into exposed holes.

20



Cut connector off from item G harness.

21



Trim back insulation on two (2) wires of item G.

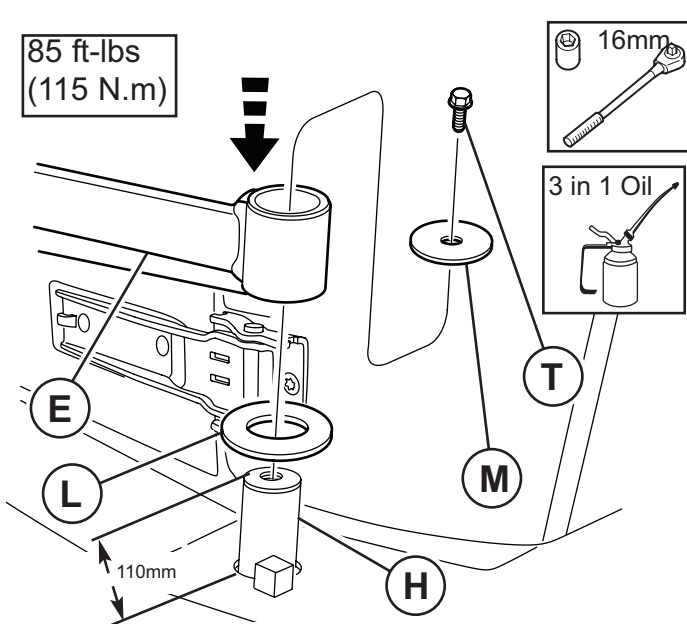
Remove insulation from two wires located on body harness approximately 1" rearward of connector. DO NOT CUT OFF BODY HARNESS CONNECTOR. Expose about 1" of wire.

Twist wires together.

Solder and tape.

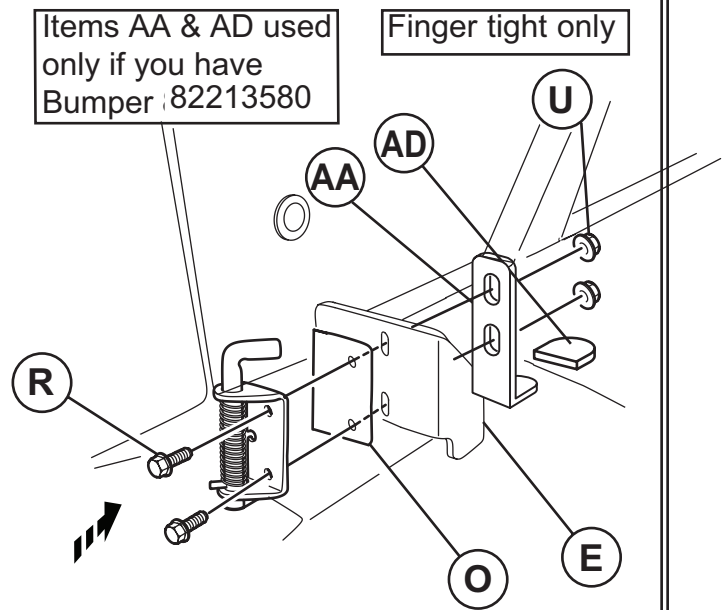
22

Post must be 110mm above bumper face



Re-lubricate post. If rust is present, remove with sandpaper prior to lubrication.

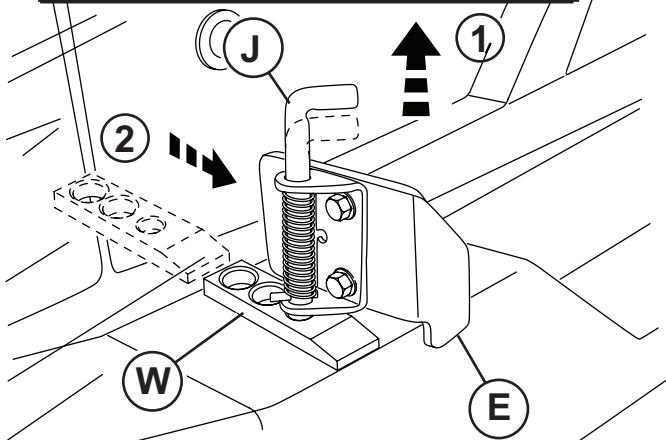
23



Loosely assemble the components shown. When fitted, torque.

24

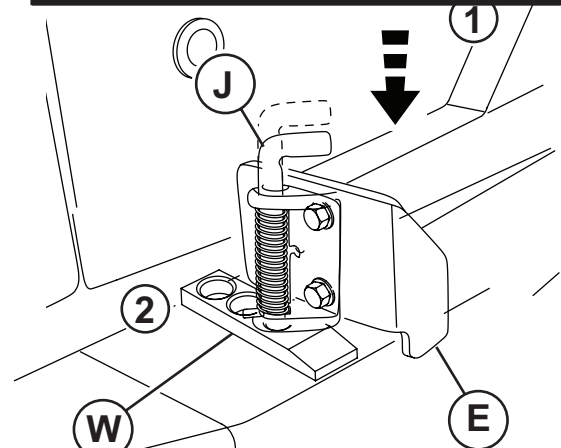
Kit #82213580, 82211832AB



- 1) Pull pin up (item J).
- 2) Slide pin ramp (item W) under latch asy.

25

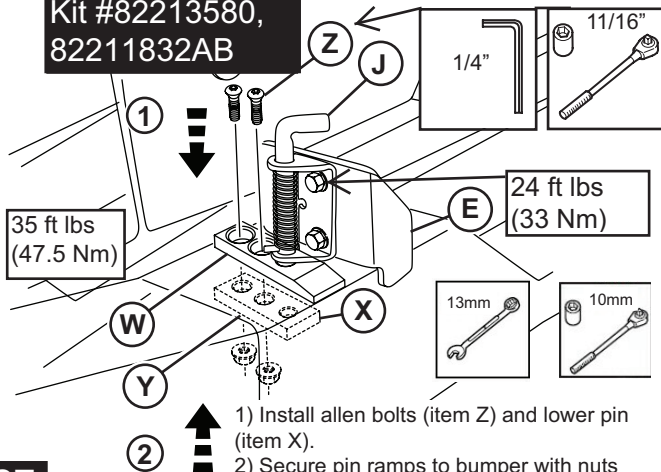
Kit #82213580, 82211832AB



- 1) Drop pin (item J).
- 2) Square up ramp (item W) to bumper.

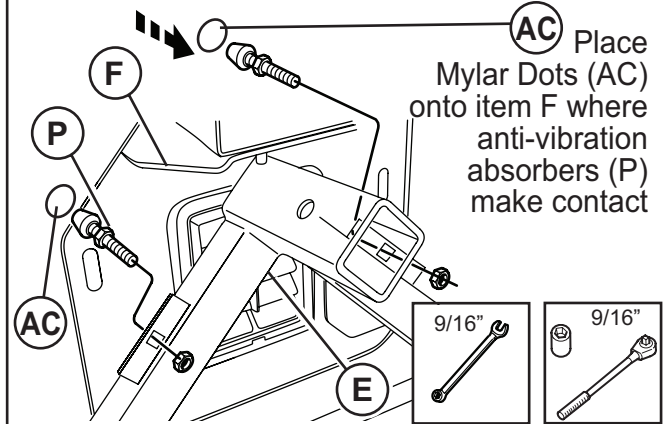
26

Kit #82213580,
82211832AB



- 1) Install allen bolts (item Z) and lower pin (item X).
- 2) Secure pin ramps to bumper with nuts
- 3) align all components and torque.

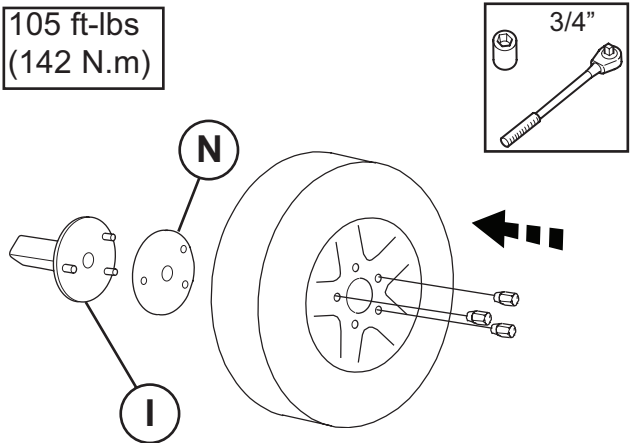
27



- Adjust anti-vibration absorbers (item P) to slightly compress on mounting plate (item F) when the tire carrier is fully latched.

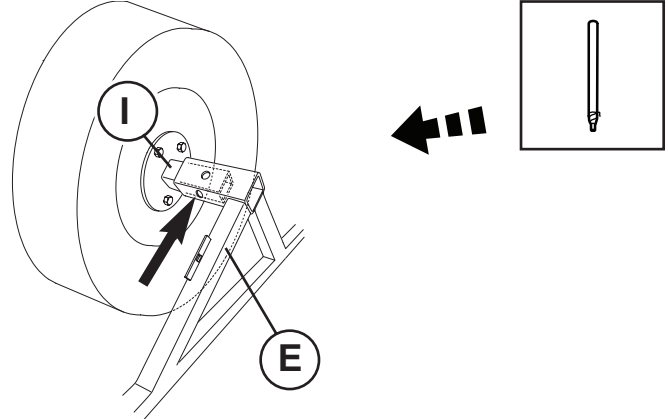
28

105 ft-lbs
(142 N.m)



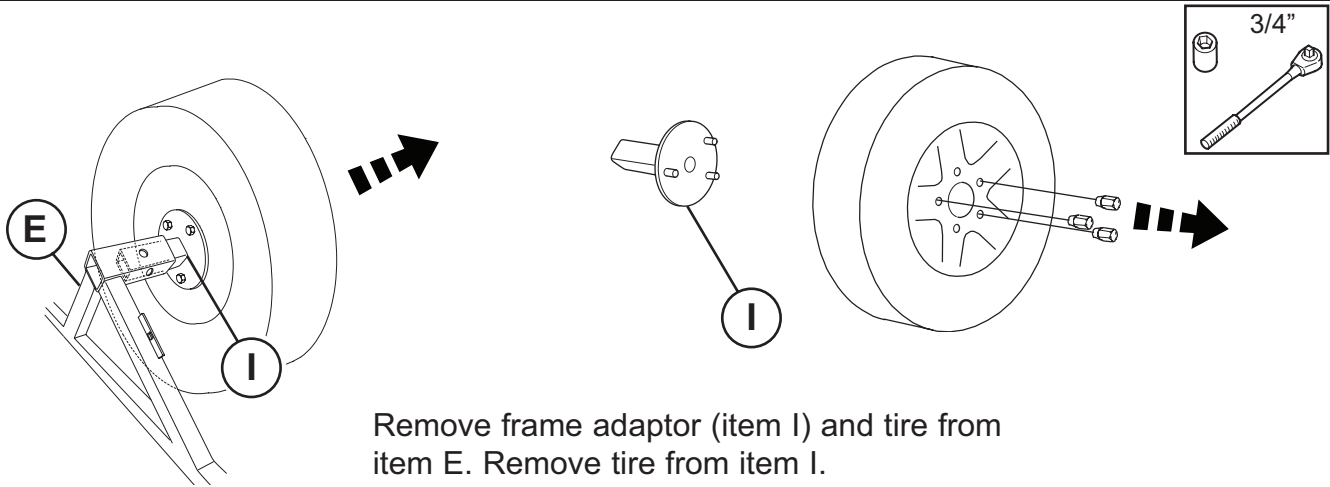
Install tire to frame adaptor with nuts removed in step 1.

29

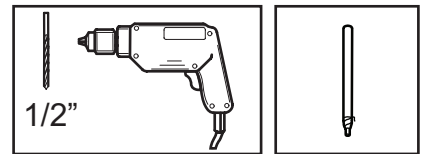
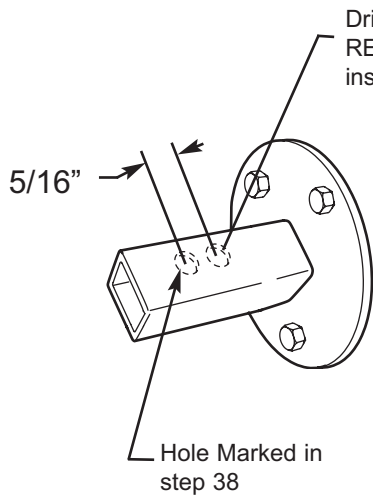


Insert frame adaptor (item I) with tire attached into tire carrier support (item E). Push Item I into Item E until the tire hits the frame of Item E. Using hole in item E as a template, mark this location onto item I.

30

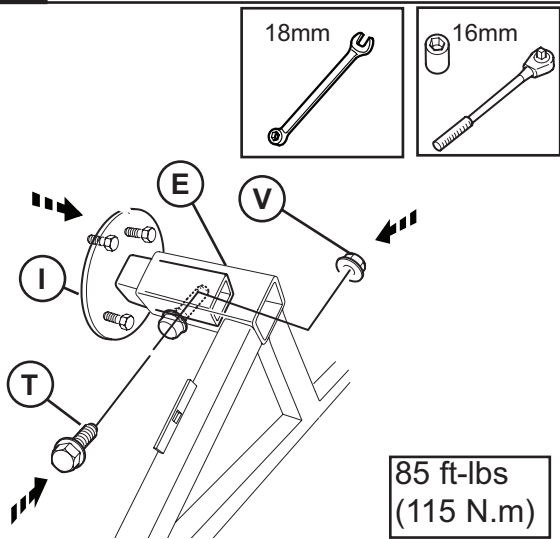


31

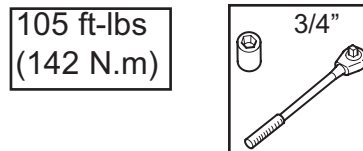


Measure approximately 5/16" forward from the center of the mark made in step 38. Using a drill and 1/2" drill bit, drill hole accordingly.

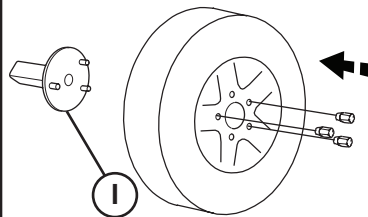
32



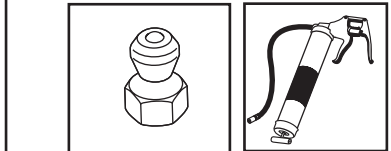
33 Push Item I into Item E. Align holes accordingly and install hardware.



System is designed to compress tire slightly to eliminate vibration.



34



Use Petroleum Base Grease (not Silicone Grease)

