



MOPAR®

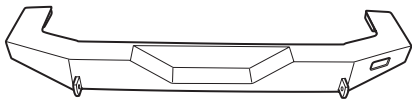
Jeep Wrangler

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

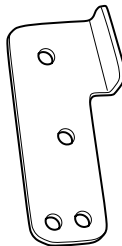
Kit # 82209744 or Kit # 82209744AB



See steps 1-8

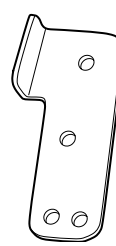


Q



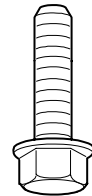
B

LH



C

RH



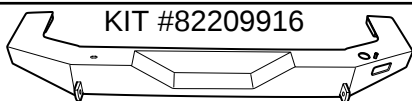
D

4x

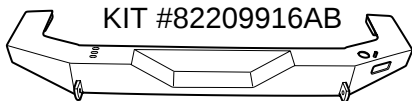
Kit # 82209916 or 82209916AB
Kit # 82210485AB



See steps 1-5 then 9-42

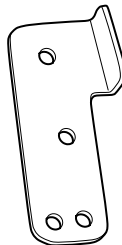


KIT #82209916



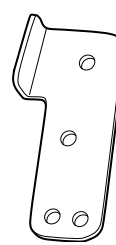
KIT #82209916AB

A



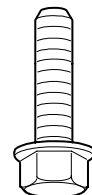
B

LH



C

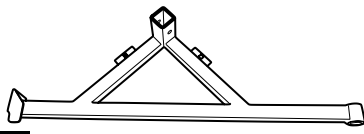
RH



D

4x

Kit # 82210485AB also requires
Kit # 82209916 or
82209916AB



E

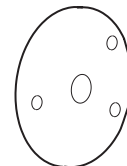


L



K

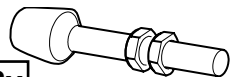
2x



N

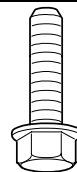


O



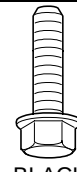
P

2x



W

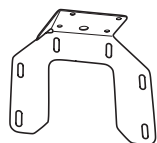
2x



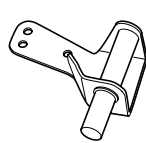
BLACK

S

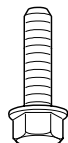
4x



F



H



R

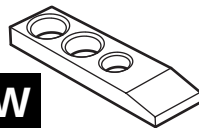
2x

SILVER

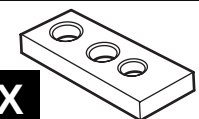


U

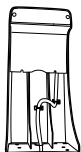
6x



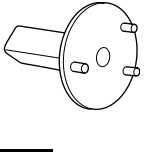
W



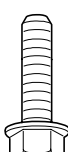
X



G



I



T

2x



V

1x



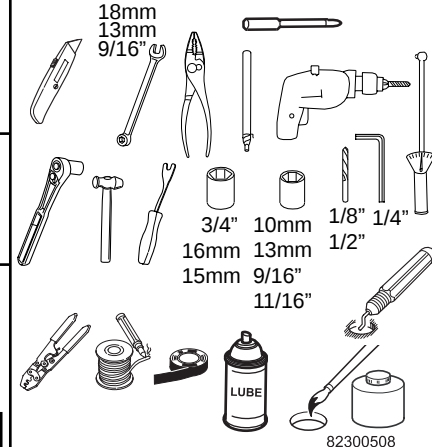
Y

2x



Z

2x

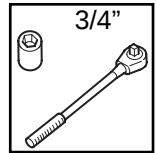
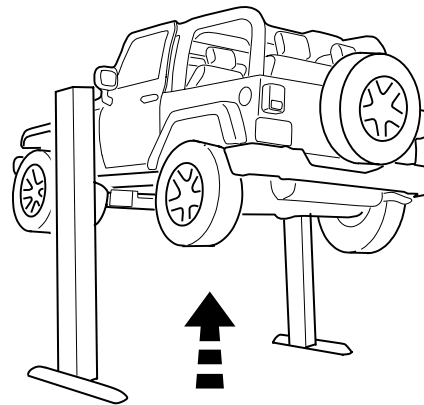


82300508

1. Raise vehicle
2. Remove tire only if installing Kit # 82210485AB only. Save nuts for re-use in steps 27 & 29.



See steps 27 & 29

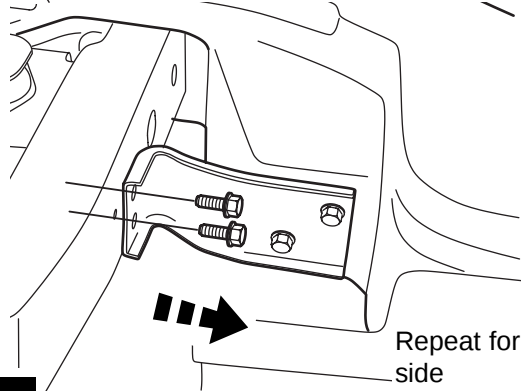
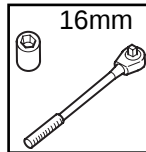


1

Re-use bolts when installing Bumper Kits # 82209744, 82209916, 82209744AB and 82209916AB.

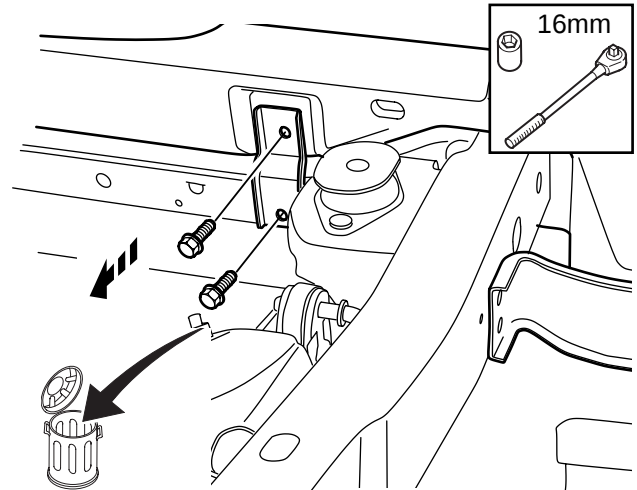


See steps 6 and 10



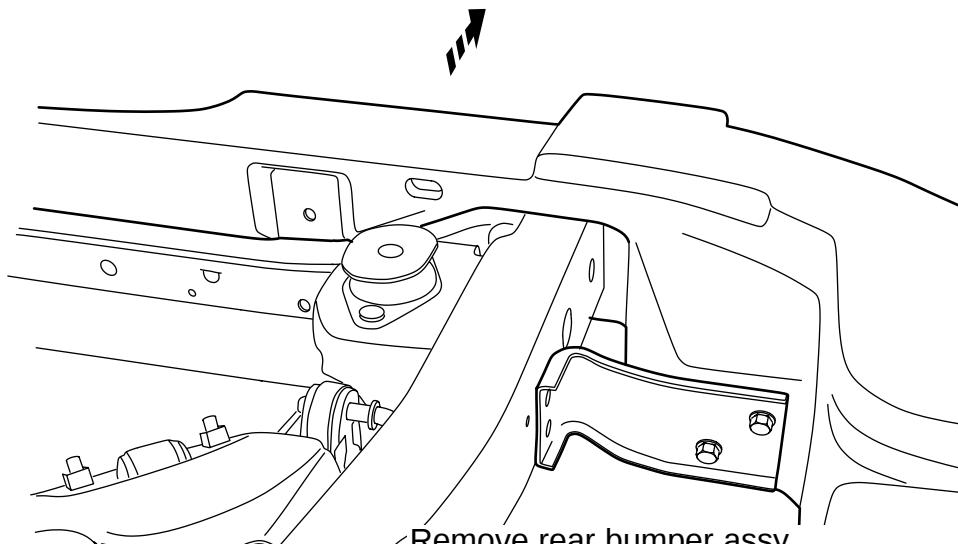
Repeat for other side

2

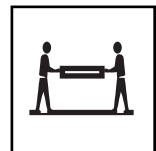


Repeat for other side

3



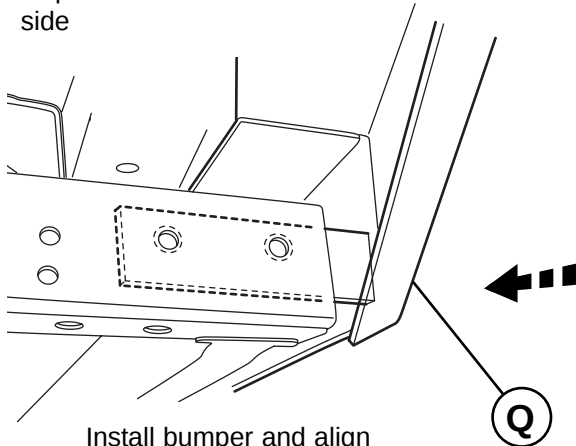
Remove rear bumper assy.



4

Install Bumper Kit #82209744 or #82209744AB

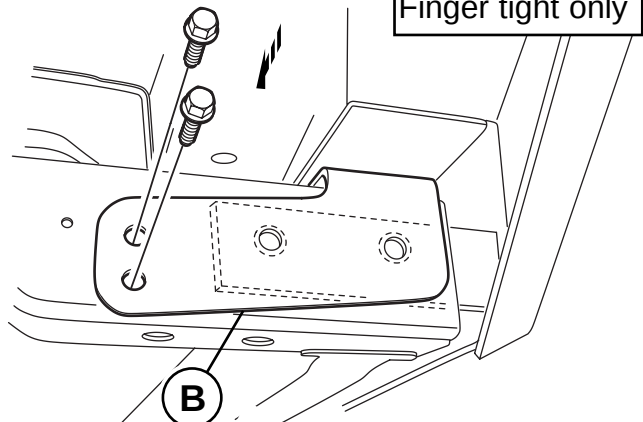
Repeat for other side



Install bumper and align weldnuts in bracket to frame holes.

5

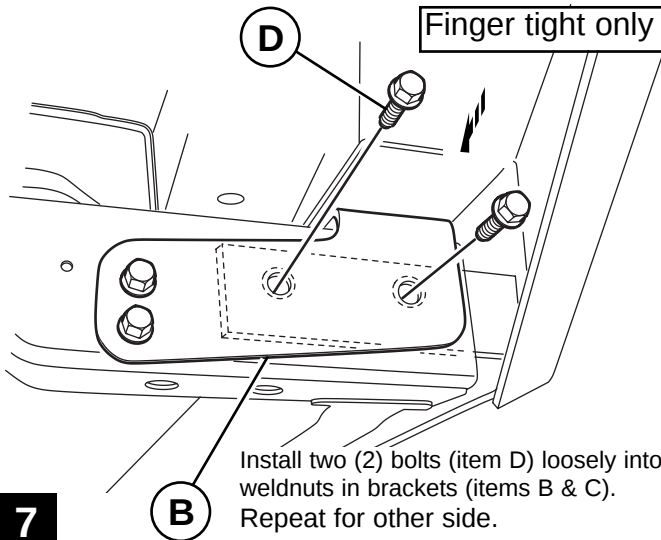
Finger tight only



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.

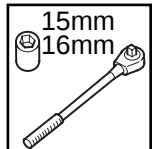
6

Finger tight only



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

7



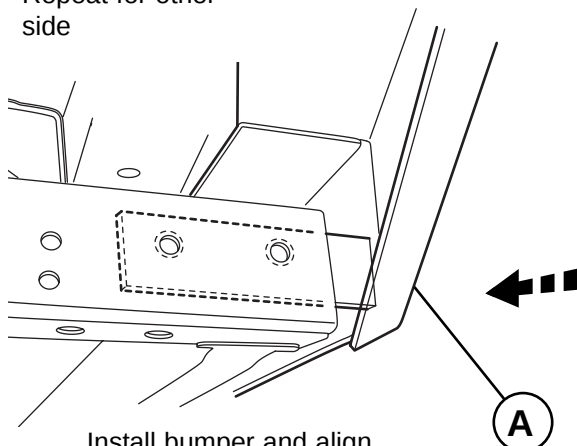
Visually inspect and align bumper for best appearance. Once properly aligned, torque bolts to the following torque requirements:

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

8

Install Bumper Kit #82209916, #82209916AB and Tire Carrier Kit #82210485AB

Repeat for other side

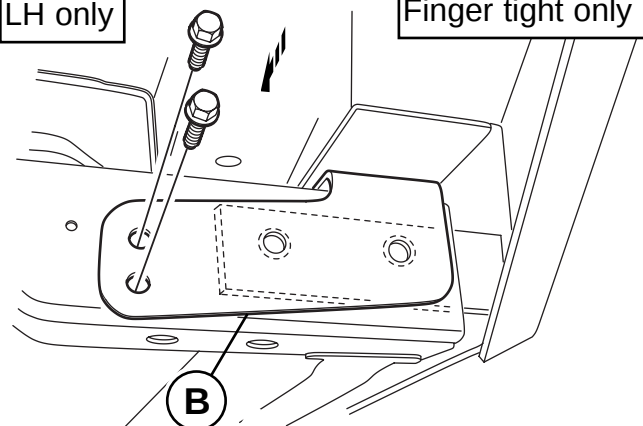


Install bumper and align weldnuts in bracket to frame holes.

9

LH only

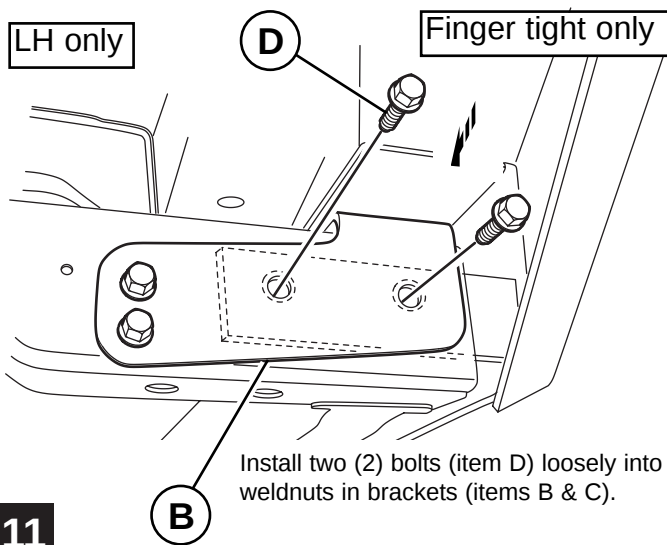
Finger tight only



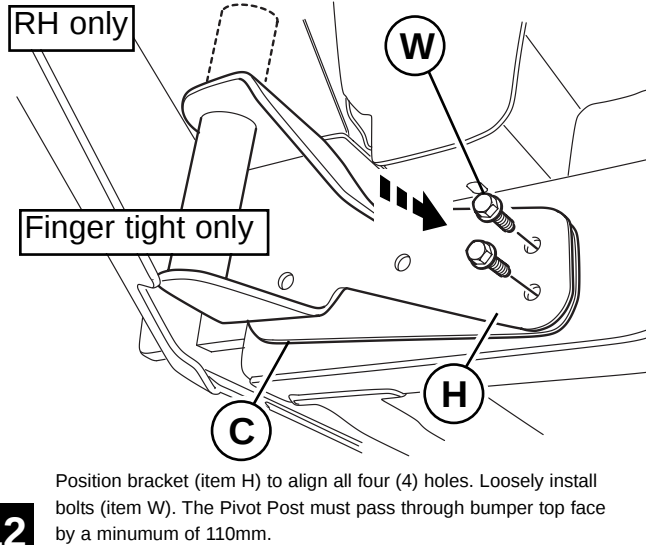
Position bracket (item B) to align all four (4) holes. Loosely install bolts removed in step 2.

10

LH only

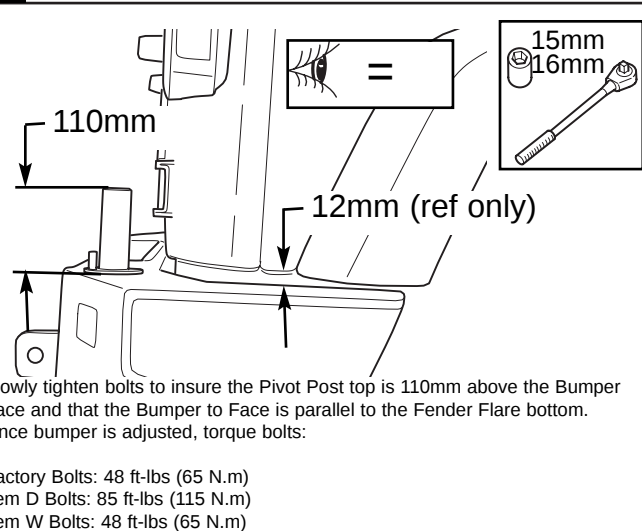
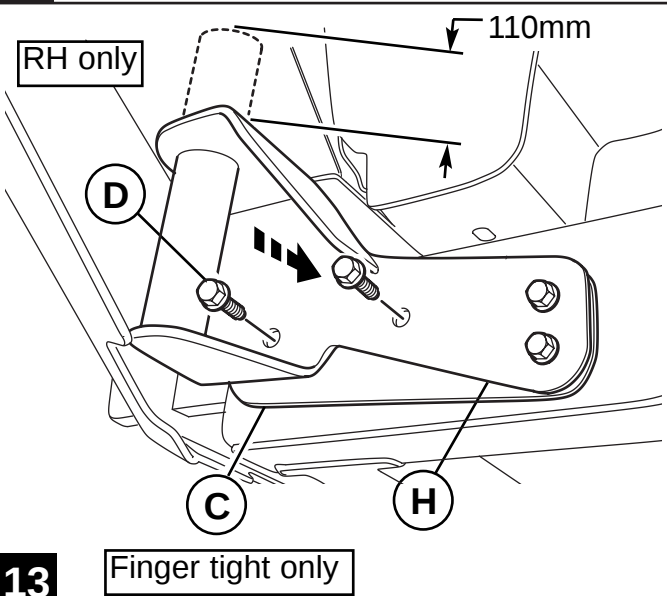


RH only



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.

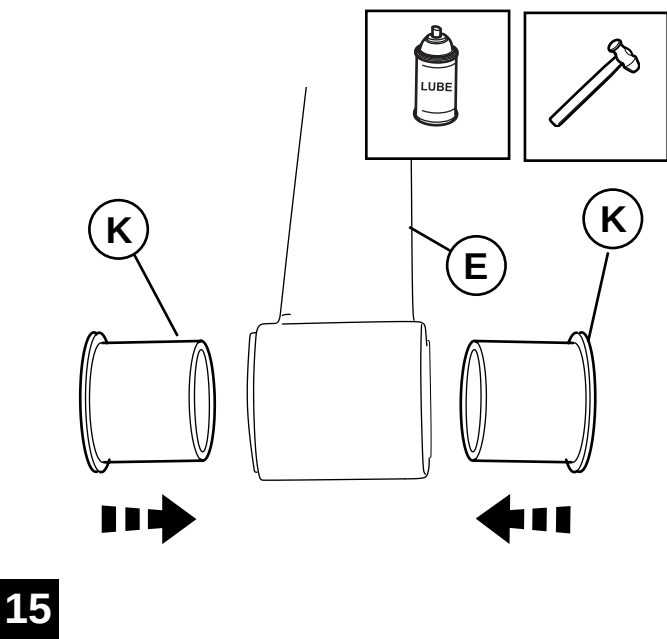
RH only



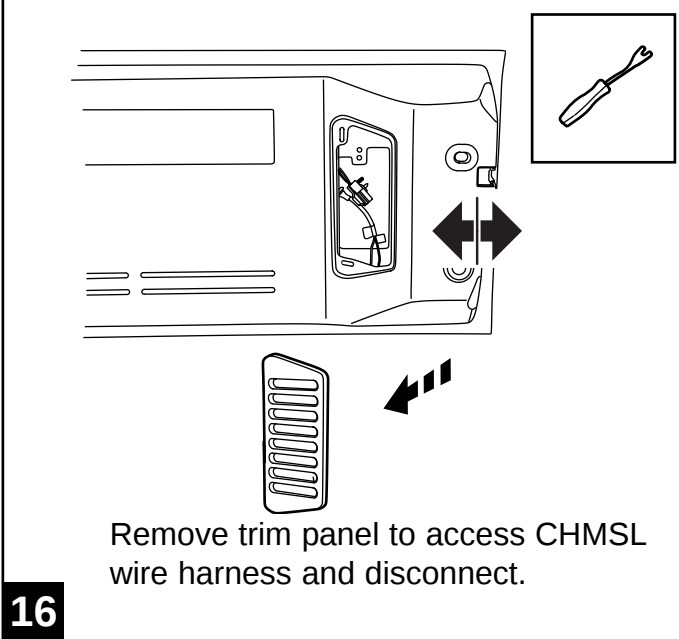
Slowly tighten bolts to insure the Pivot Post top is 110mm above the Bumper Face and that the Bumper to Face is parallel to the Fender Flare bottom. Once bumper is adjusted, torque bolts:

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)

15

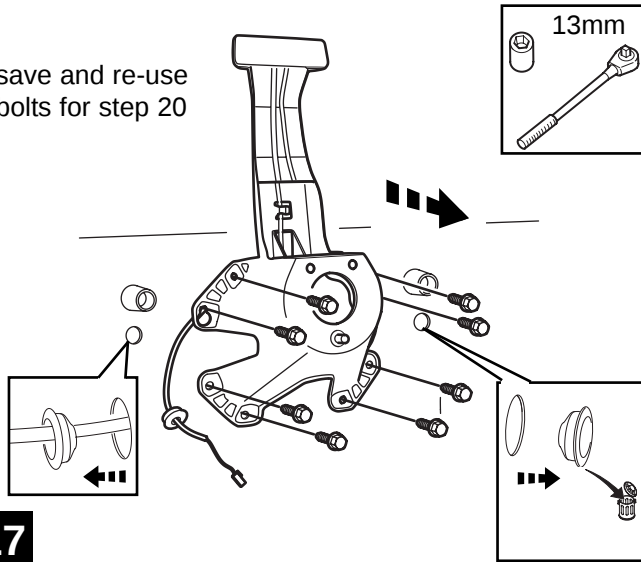


16

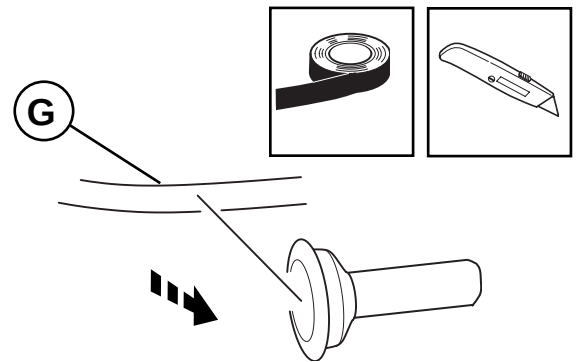


Remove trim panel to access CHMSL wire harness and disconnect.

save and re-use
bolts for step 20

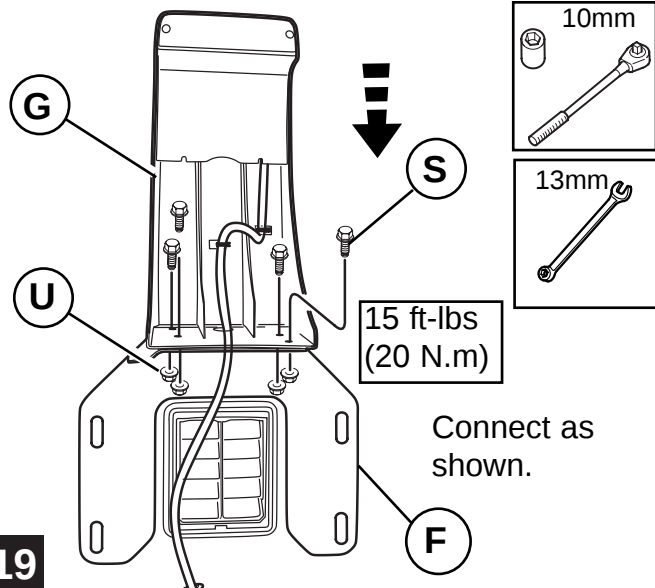


17

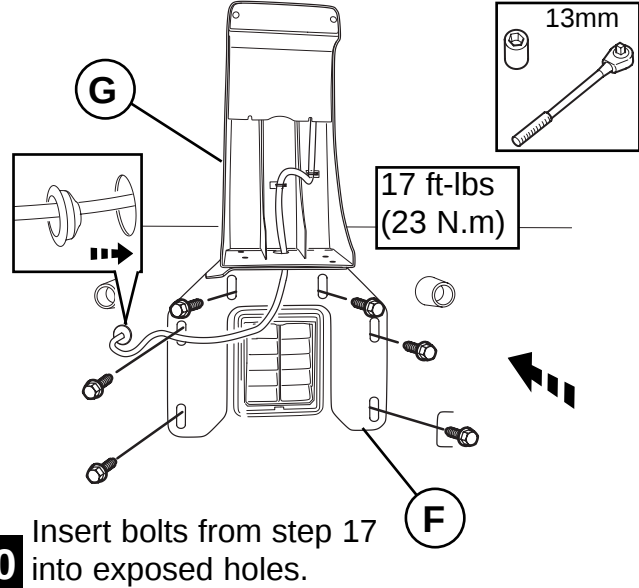


Cut grommet from factory CHMSL harness
and install to new CHMSL harness item G.

18

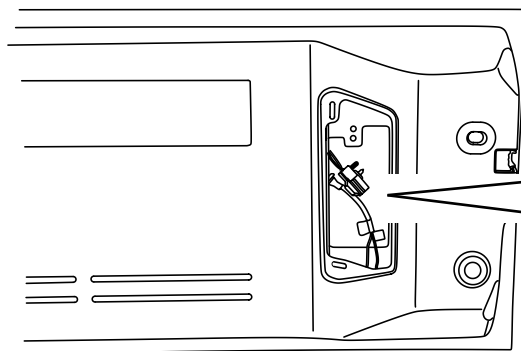


19

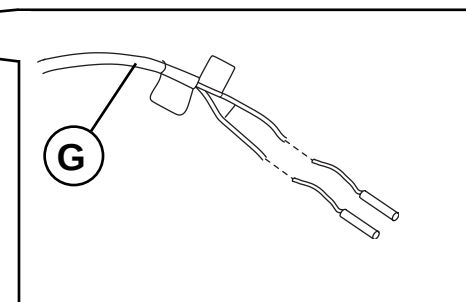


20

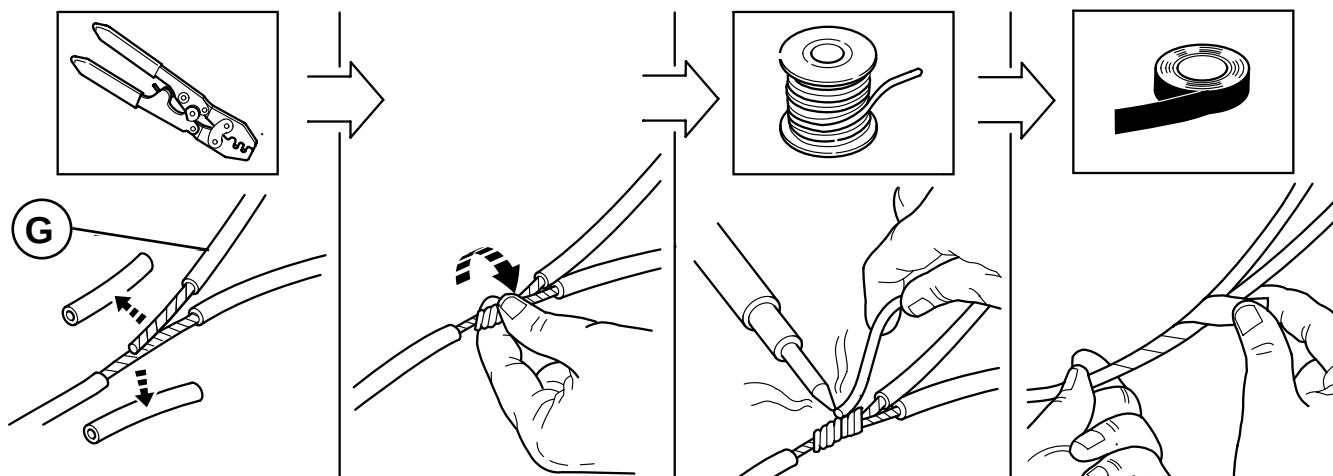
Insert bolts from step 17
into exposed holes.



Cut connector off from
item G harness.



21



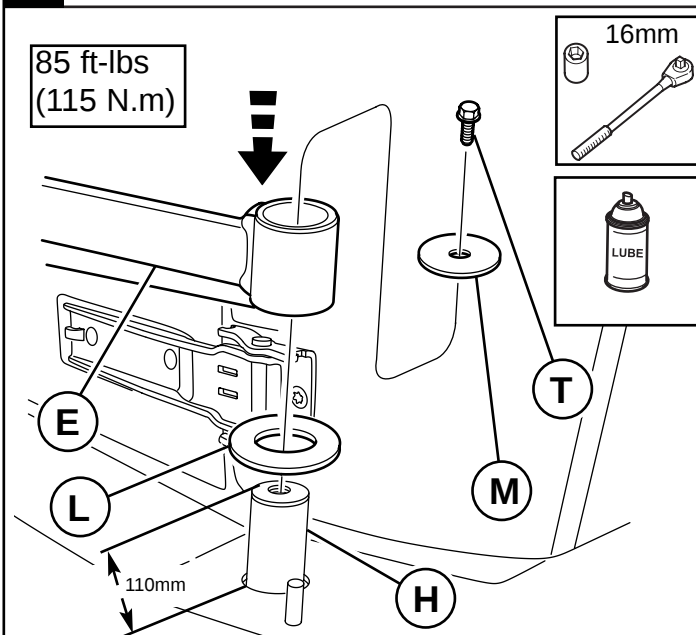
Trim back insulation on two (2) wires of item G.

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.

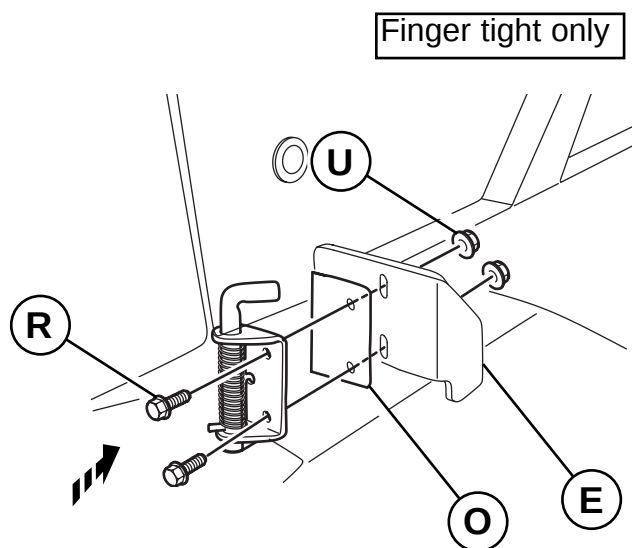
Solder and tape.

22



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

23



Loosely assemble the components shown.

24

Kit # 82209916

24 ft-lbs
(33 N.m)

13mm

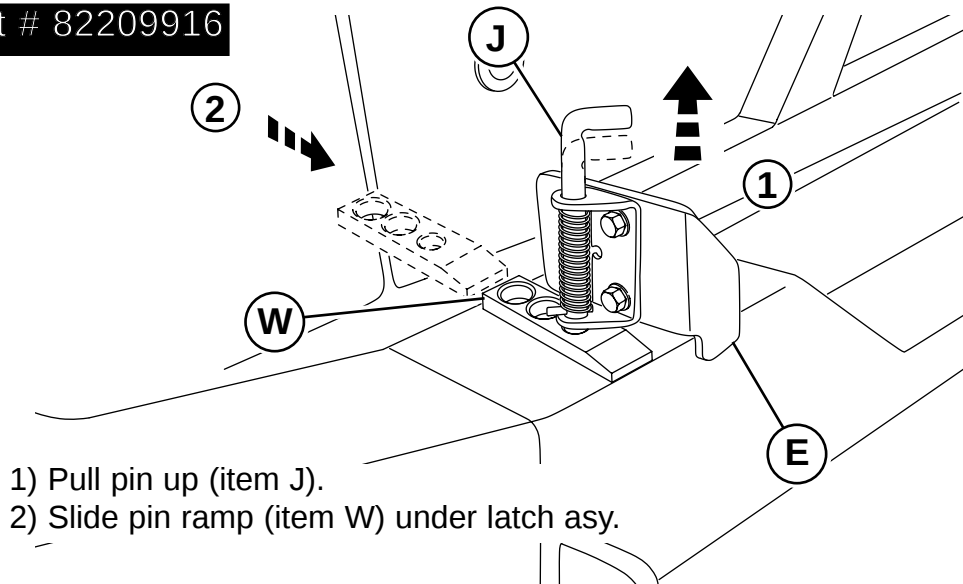
10mm

Adjust locking plunger to center of bumper slot. Once aligned, torque accordingly.

E

25

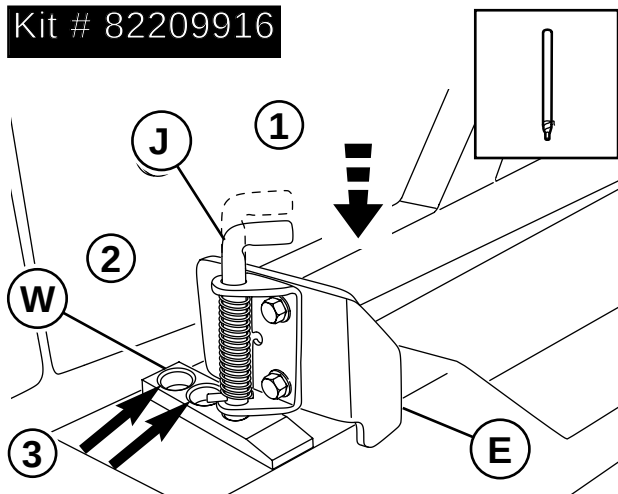
Kit # 82209916



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

26

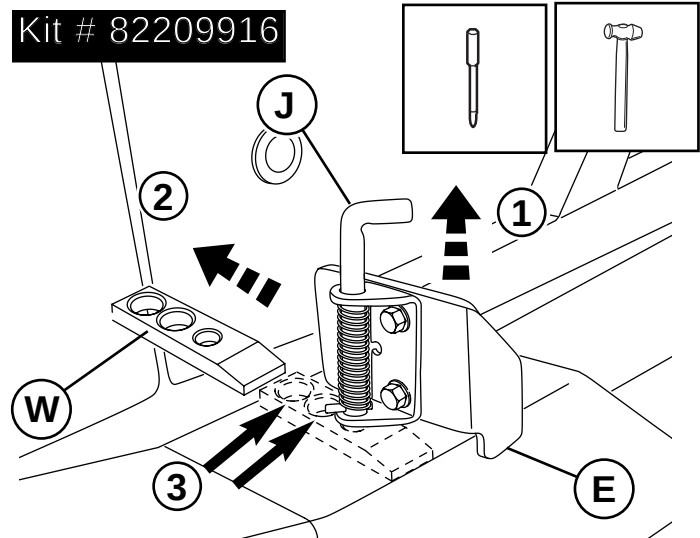
Kit # 82209916



- 1) Drop pin (item J).
- 2) Square up ramp (item W) to bumper.
- 3) Mark holes to be drilled.

27

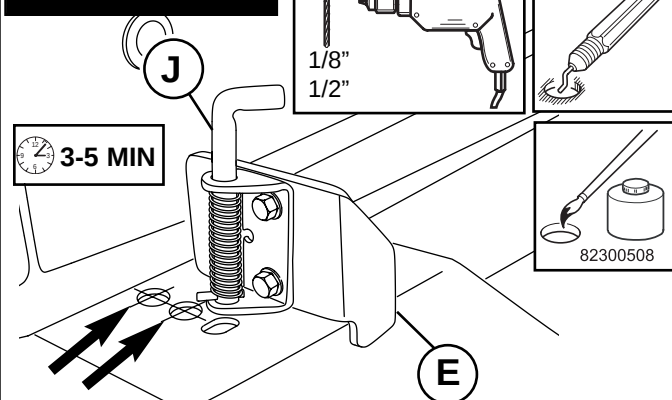
Kit # 82209916



- 1) Pull pin up (item J).
- 2) Remove pin ramp (item W) from under latch asy.
- 3) Using center punch and hammer, mark/scribe holes for drilling.

28

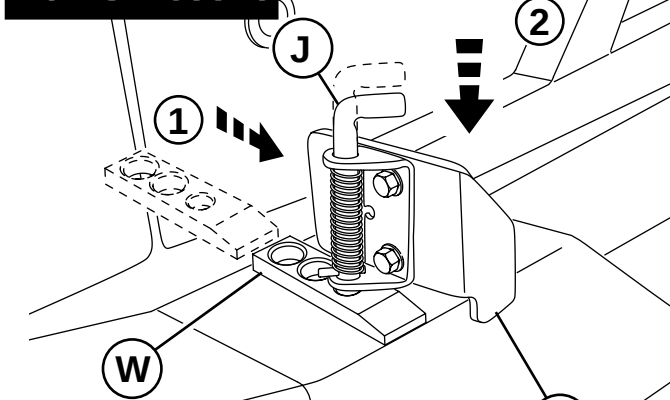
Kit # 82209916



- 1) Drill 2 holes for pin ramp. It is recommended to drill pilot holes prior (1/8" drill bit).
- 2) Deburr the holes.
- 3) Apply Rust Inhibitor 823000508 or equivalent to all bare edges and allow to dry for 3-5 minutes.

29

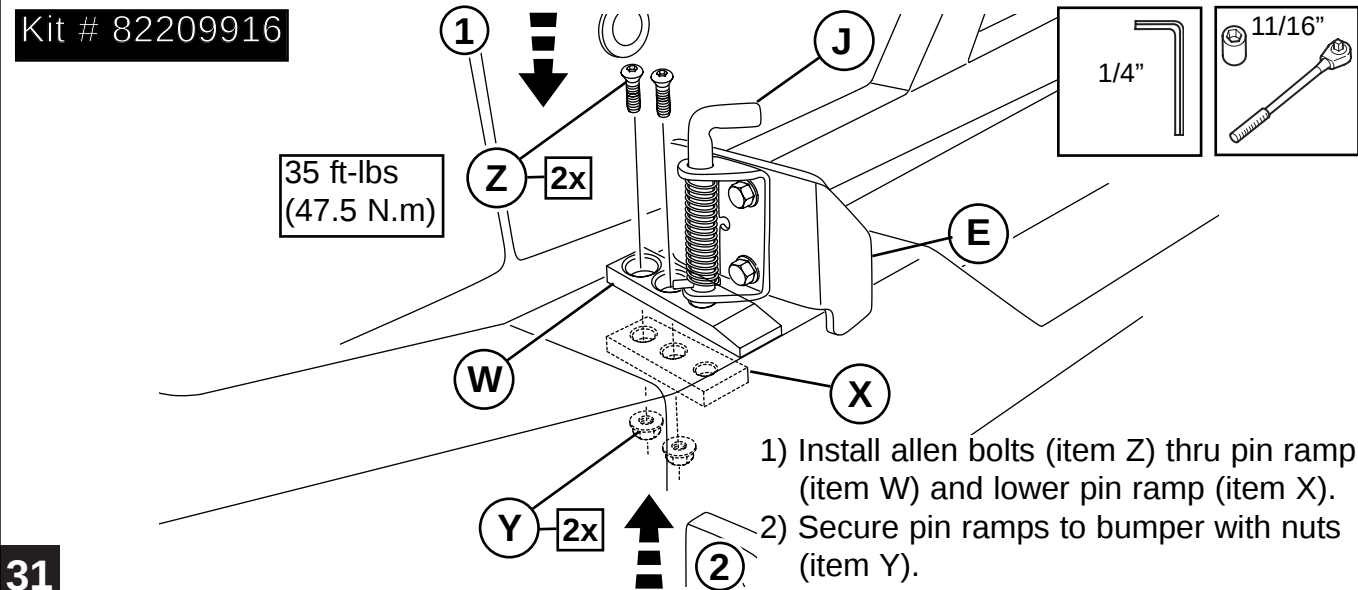
Kit # 82209916



- 1) Replace pin ramp (item W).
- 2) Lower latch pin (item J).

30

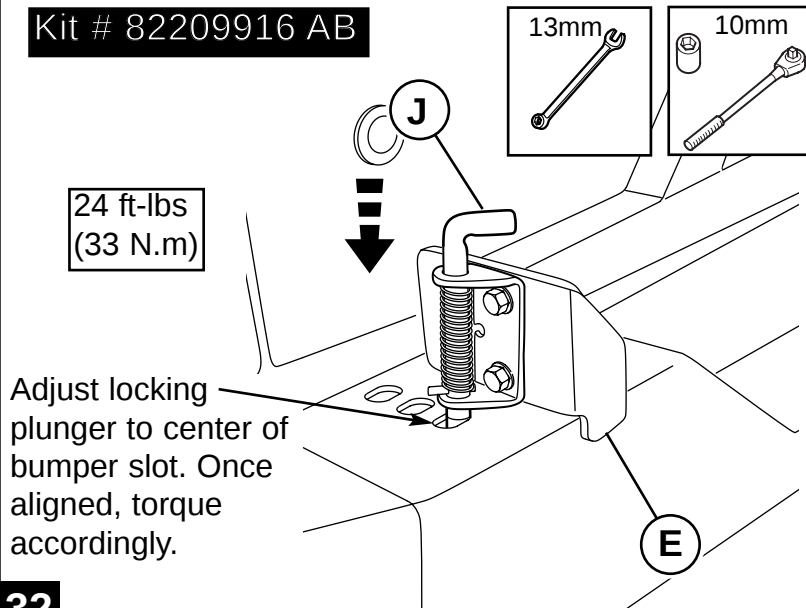
Kit # 82209916



- 1) Install allen bolts (item Z) thru pin ramp (item W) and lower pin ramp (item X).
- 2) Secure pin ramps to bumper with nuts (item Y).

31

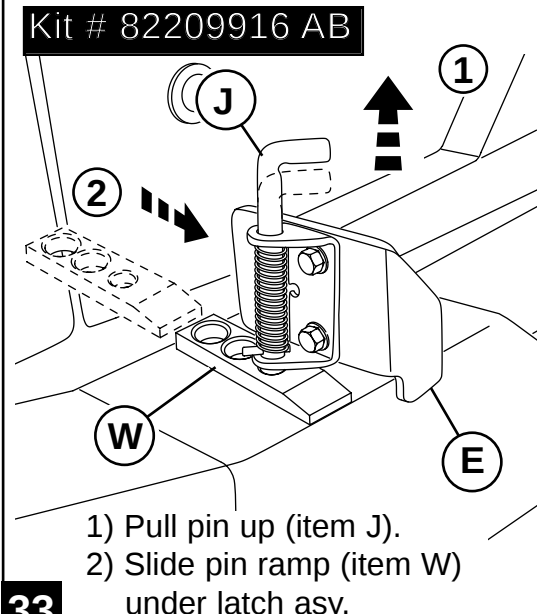
Kit # 82209916 AB



Adjust locking plunger to center of bumper slot. Once aligned, torque accordingly.

32

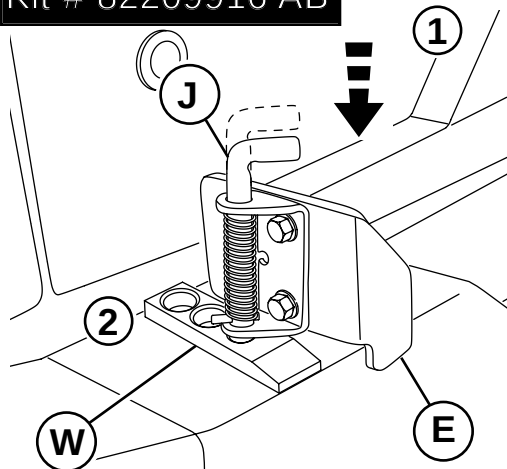
Kit # 82209916 AB



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

33

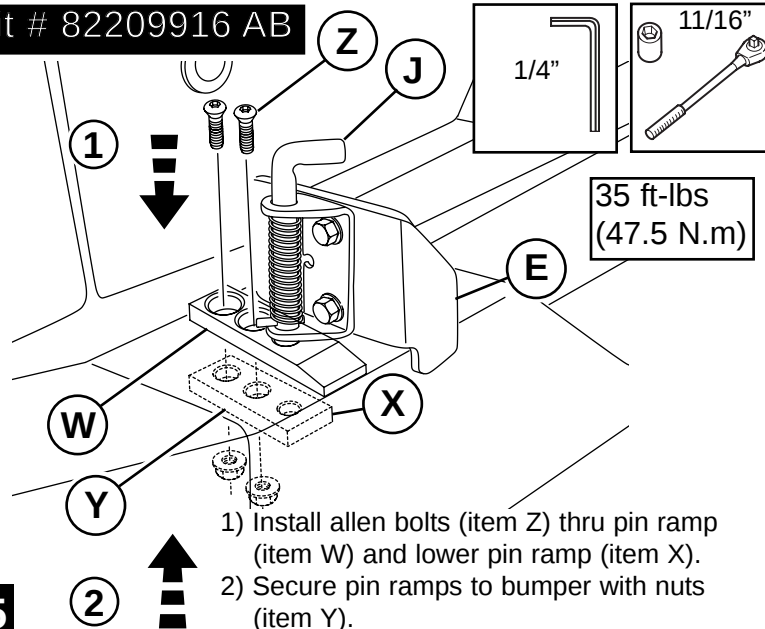
Kit # 82209916 AB



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

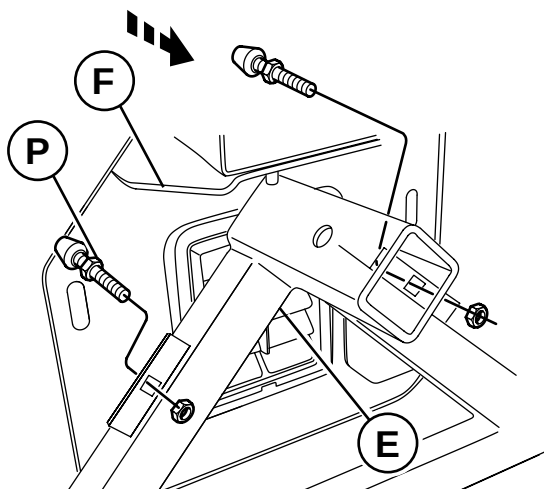
34

Kit # 82209916 AB



- 1) Install allen bolts (item Z) thru pin ramp (item W) and lower pin ramp (item X).
- 2) Secure pin ramps to bumper with nuts (item Y).

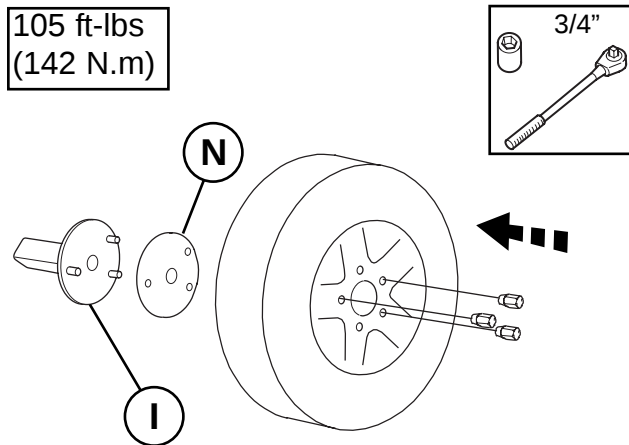
35



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

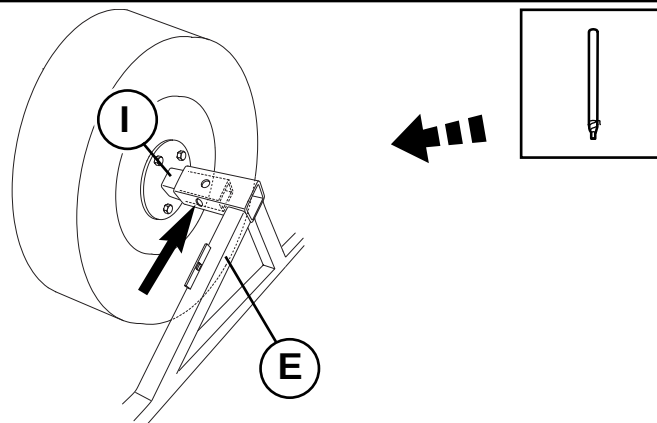
36

105 ft-lbs
(142 N.m)



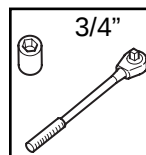
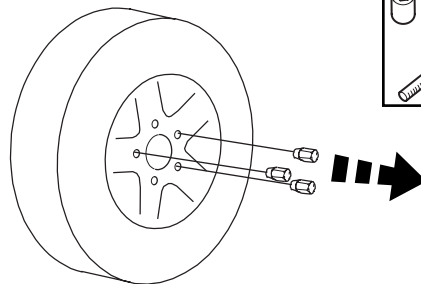
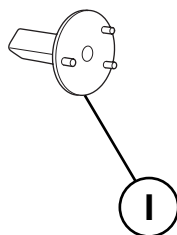
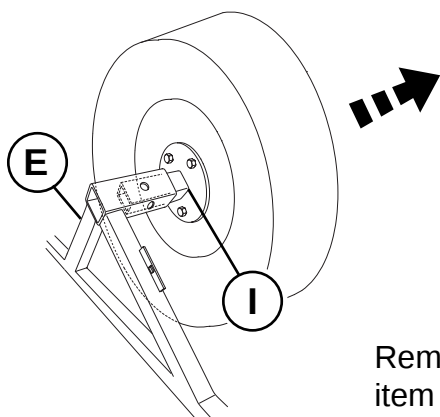
Install tire to frame adaptor with nuts removed in step 1.

37



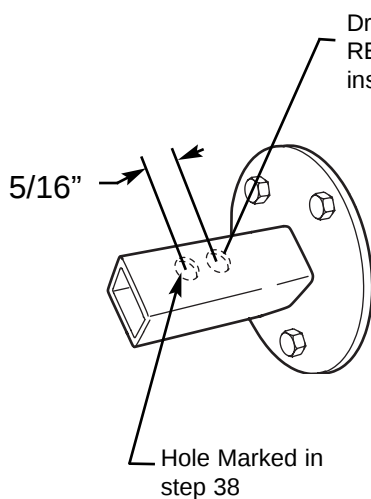
Insert frame adaptor (item I) with tire attached into tire carrier support (item E). Push Item I into Item E until the tire hits the frame of Item E. Using hole in item E as a template, mark this location onto item I.

38

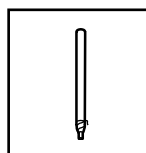
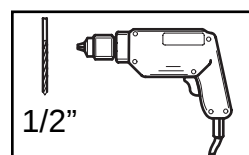


Remove frame adaptor (item I) and tire from item E. Remove tire from item I.

39

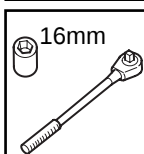
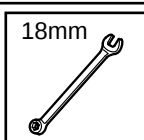
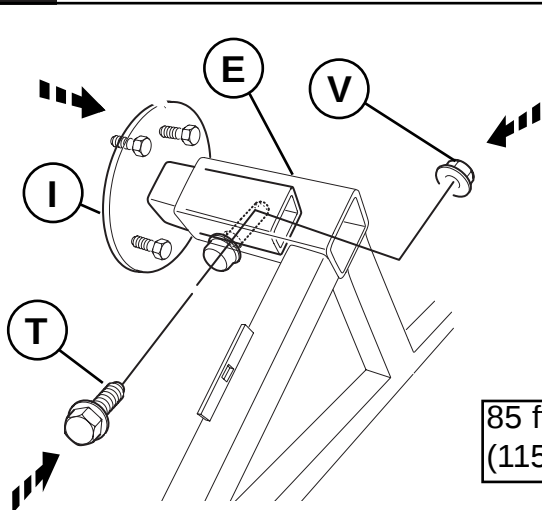


Drill hole here.
REASON: This will compress the tire when installed and eliminate rattles.



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.

40



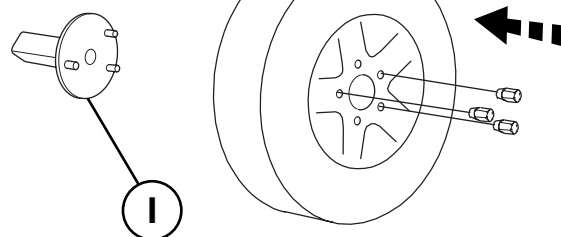
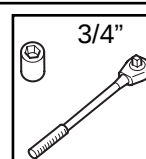
85 ft-lbs
(115 N.m)

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

41

System is designed to compress tire slightly to eliminate vibration.

105 ft-lbs
(142 N.m)



Re-install tire onto frame adaptor (item I) and torque accordingly.

42