

INSTALLATION INSTRUCTIONS

Gen 3 Portal Gear Hubs - 6"

for Honda Pioneer 1000

Do not discard packaging until product has been successfully installed.

Item	Description
A	Rear Rotor x 2
B	Left Gear Box x 2
C	Right Gear Box x 2
D	Gasket x 4
E	Cap x 4
F	Recessed Nut x 4
U	Front Rotor x 2



B

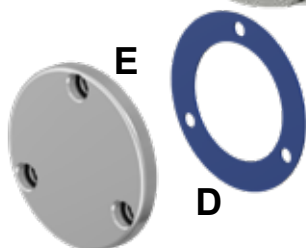
(Left)



(Right)



C



E

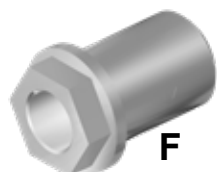
D



U



(Kit Contents continue on following pages)



F

WHEN FILLING GEAR BOX USE ONLY SUPERATV PORTAL BLOOD. USING GREASE WILL CAUSE FAILURE OF GEARS AND BEARINGS. USING GREASE WILL VOID THE WARRANTY.

Need help with your installation?



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8:00am - 8:00pm EST M-Th
8:00am - 7:00pm EST Friday
9:00am - 2:00pm EST Saturday

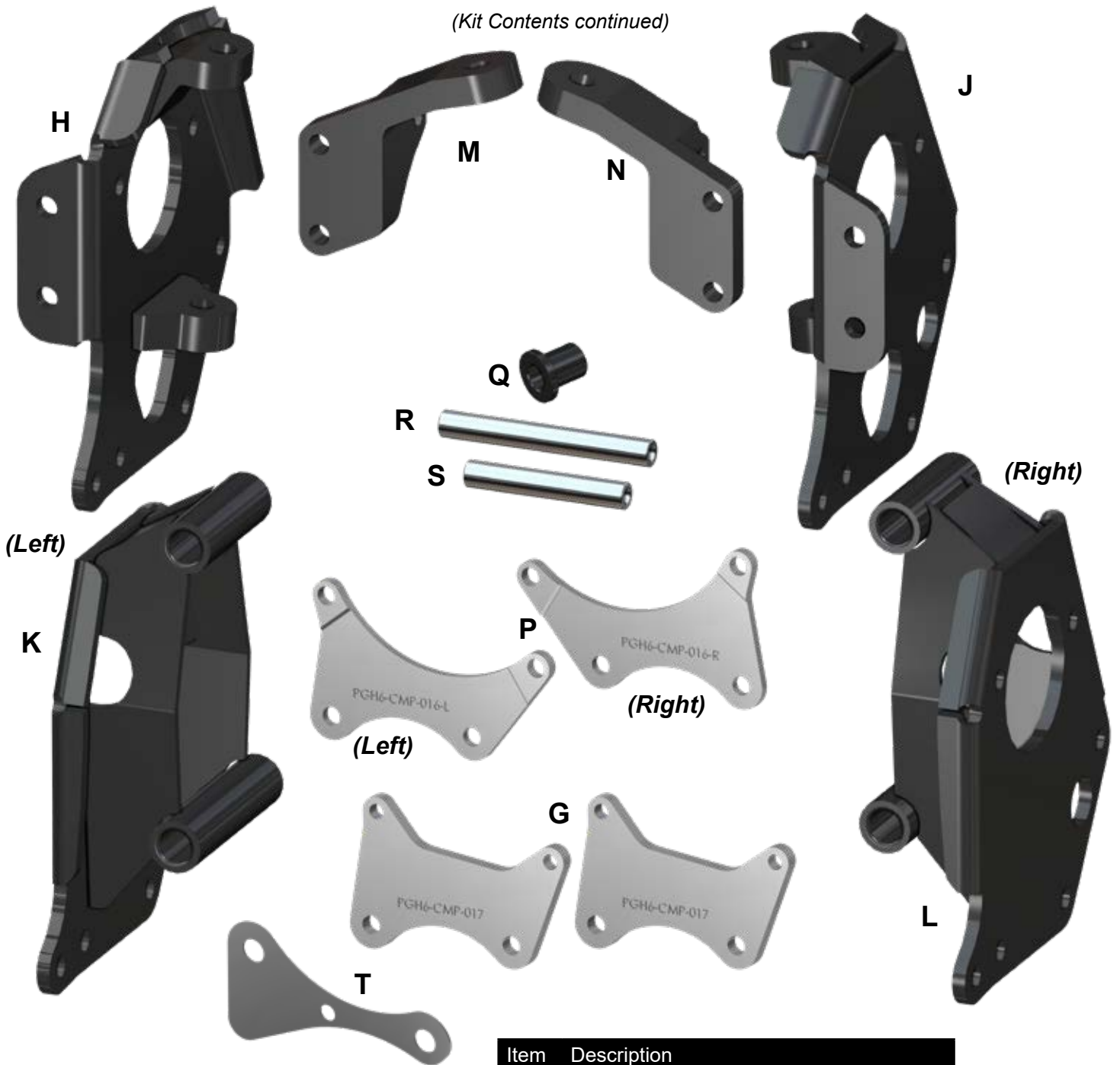
Read instructions and view illustrations before beginning.

Thank You

For Choosing

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(Kit Contents continued)



Sku PGH6-3-64-455:

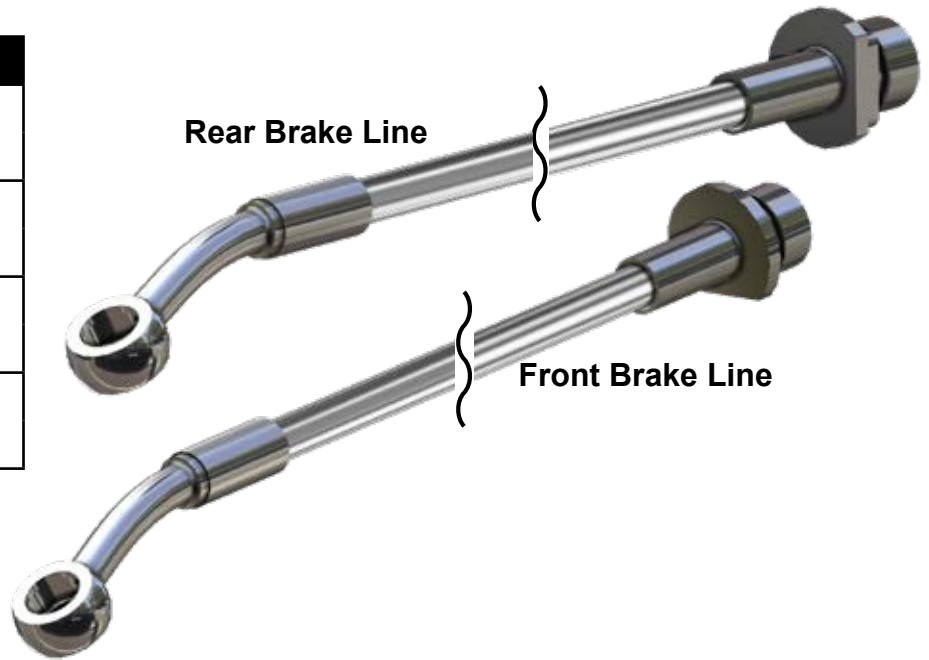
OEM Axles use PGH-RN-127
Recessed Nuts



Item	Description
G	Rear Caliper Mounting Bracket x 2
H	Left Spindle
J	Right Spindle
K	Left Bearing Carrier
L	Right Bearing Carrier
M	Left Steering Arm
N	Right Steering Arm
P	Front Caliper Mounting Bracket x 2
Q	Bushing x 8
R	Upper Sleeve x 2
S	Lower Sleeve x 2
T	Shim x 4
W	Drive Gear Spacer x 4

Brake Lines:

Location	Part Number	SKU
Front x 2	BL081	PGH6-3-64-451
Rear x 2	BL082	
Front x 2	BL093	PGH6-3-64-452
Rear x 2	BL094	PGH6-3-64-455
Front x 2	BL095	PGH6-3-64-453
Rear x 2	BL096	
Front x 2	BL097	PGH6-3-64-454
Rear x 2	BL098	



Machines with SuperATV Heavy Duty Tie Rod Ends must use provided hardware shown when securing to Steering Arms.



M12 Nylock Nut



M10 Nylock Nut

(Qty. 2 each)



M12 Nylock Nut

Read ALL instructions prior to operating Portal Gear Hubs. Injury to personnel, portal gear hub, and/or machine failure may be caused by improper installation, maintenance or operation.

- It is dangerous to get under a jacked-up vehicle. The vehicle could slip off the jack and fall on you. You could be crushed. Never place any part of your body under a vehicle that is on a jack. Never start or run the engine while the vehicle is on a jack. If you need to get under a raised vehicle, take it to a service center where it can be raised on a lift.
- Hot oil can cause severe burns. Use extreme care when removing lubrication plugs and when working close to a unit that has been in operation.
- Check lube level between scheduled lube changes to insure that proper lube level is maintained. Inspect the tightness of mounting bolts, excessive heating, or any unusual noise or vibration.
- Serious personal injury may occur as a result of improperly performed maintenance, adjustments or repairs.
- Always be extremely careful when working on the portal gear hub. Always follow commonly accepted safety practices and general common sense. Never risk personal injury.
- Do not operate the portal gear hub without proper lube and correct amount.

For safe operation and to maintain the unit warranty, when changing a provided fastener for any reason, it becomes the responsibility of the person making the change to properly account for fastener grade, thread engagement, load, tightening torque and the means of torque retention.

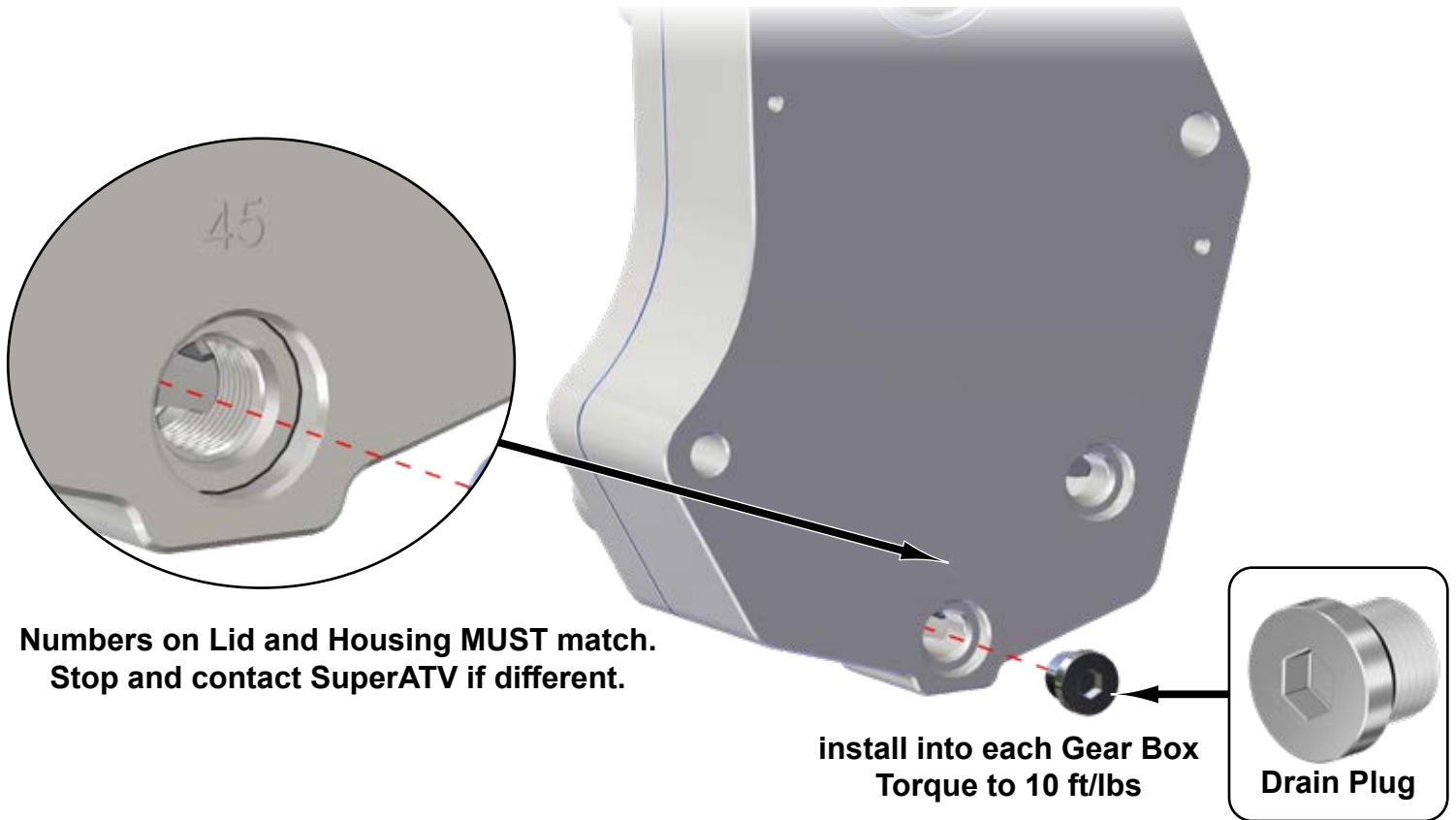
- Mounting bolts should be periodically checked to ensure that the unit is firmly anchored for proper operation.
- These instructions are not intended to cover all details or variations in equipment, nor provide for every possible contingency to be met in connection with selection, installation, operation, and maintenance.

Should further information be desired or should particular problems arise which are not covered sufficiently for the Buyer's purpose, the matter should be referred to SuperATV®.

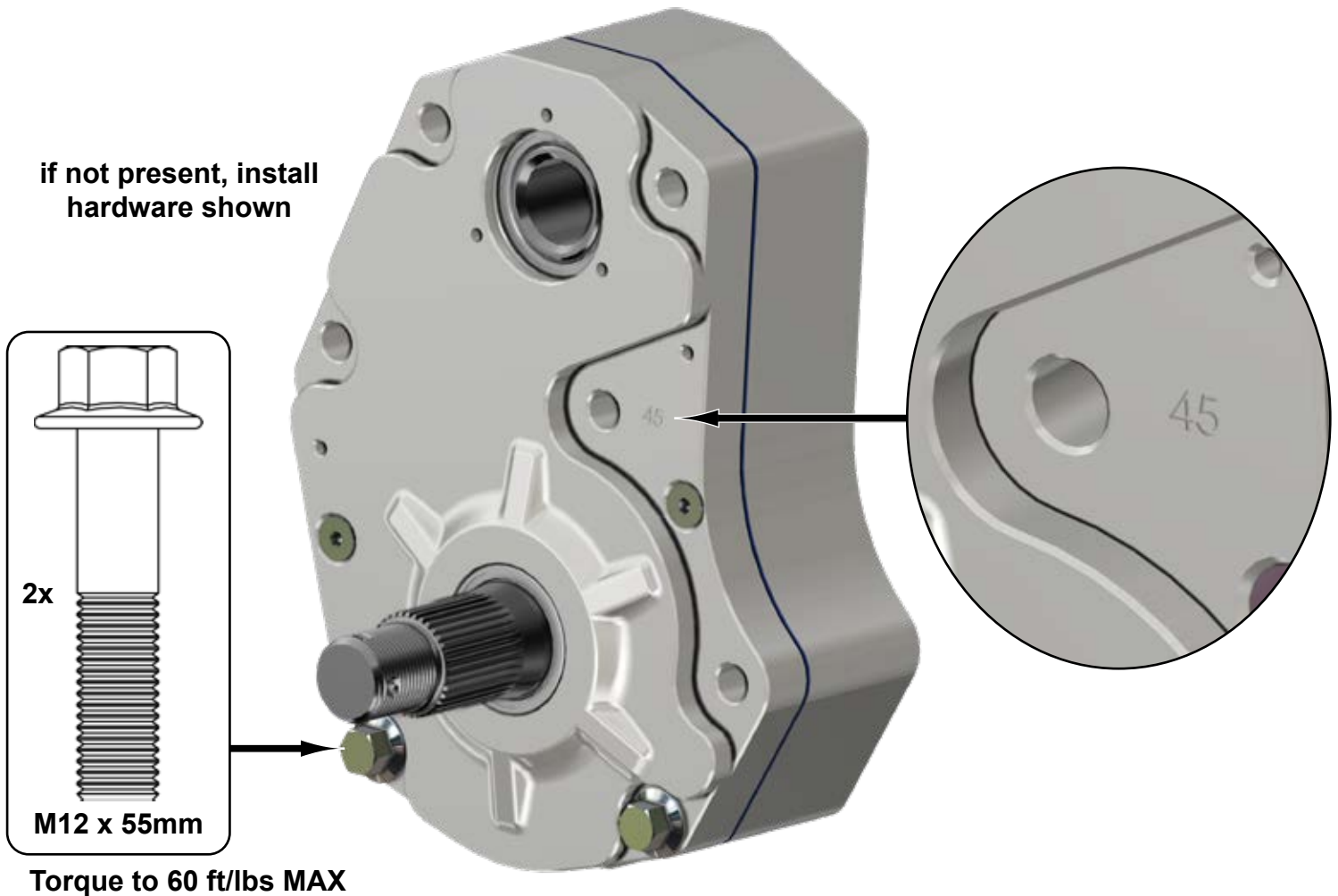
In the event of the resale of any of the goods, in whatever form, Resellers/Buyers will include the following language in a conspicuous place and in a conspicuous manner in a written agreement covering such sale:

The manufacturer makes no warranties or representations, express or implied, by operation of law or otherwise, as to the merchantability or fitness for a particular purpose of the goods sold hereunder. Buyer acknowledges that it alone has determined that the goods purchased hereunder will suitably meet the requirements of their intended use. In no event will the manufacturer be liable for consequential, incidental or other damages. Even if the repair or replacement remedy shall be deemed to have failed of its essential purpose under Section 2-719 of the Uniform Commercial Code, the manufacturer shall have no liability to Buyer for consequential damages.

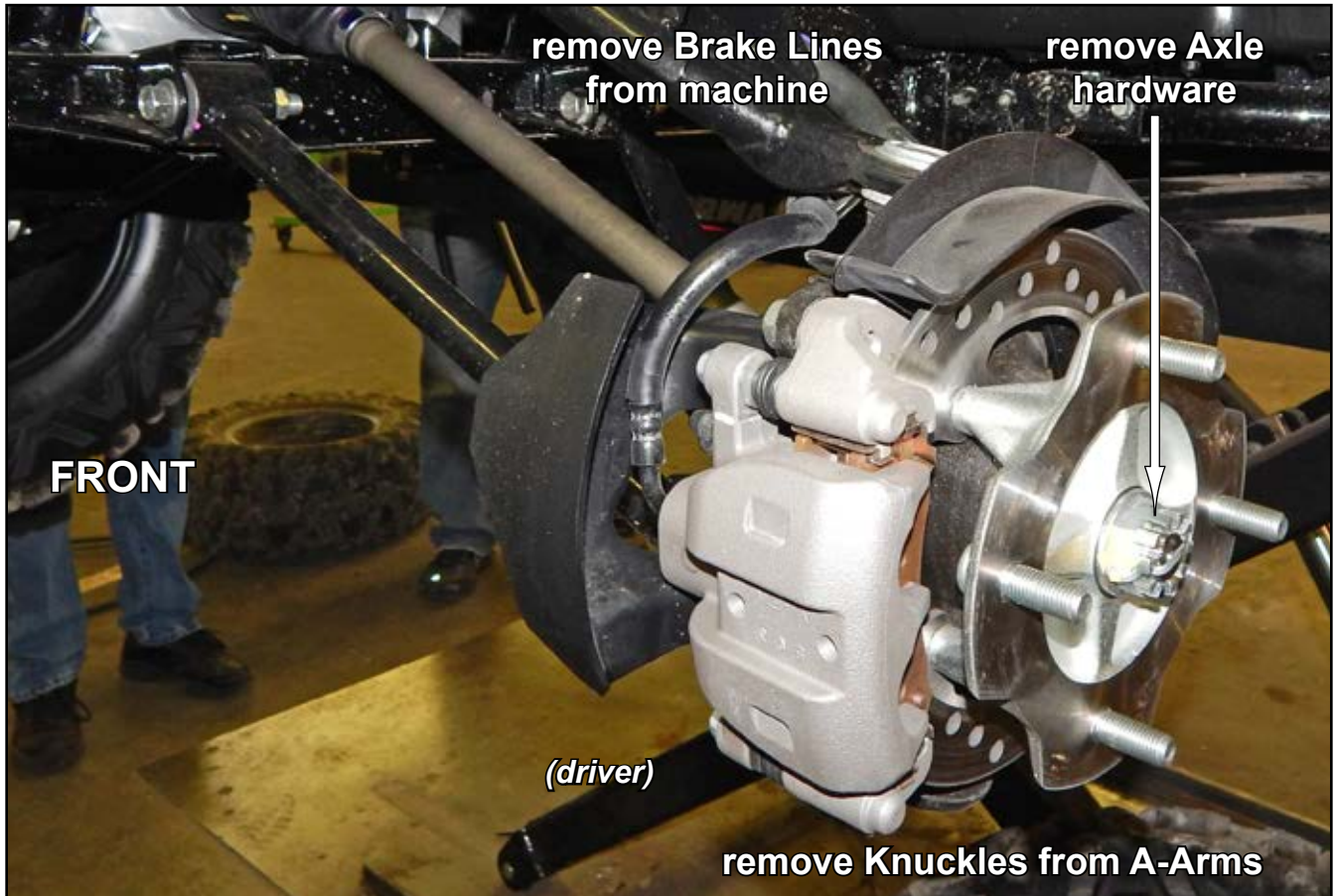
Resellers/Buyers agree to also include this entire document including the danger, warnings and cautions above in a conspicuous place and in a conspicuous manner in writing to instruct users on the safe usage of the product.



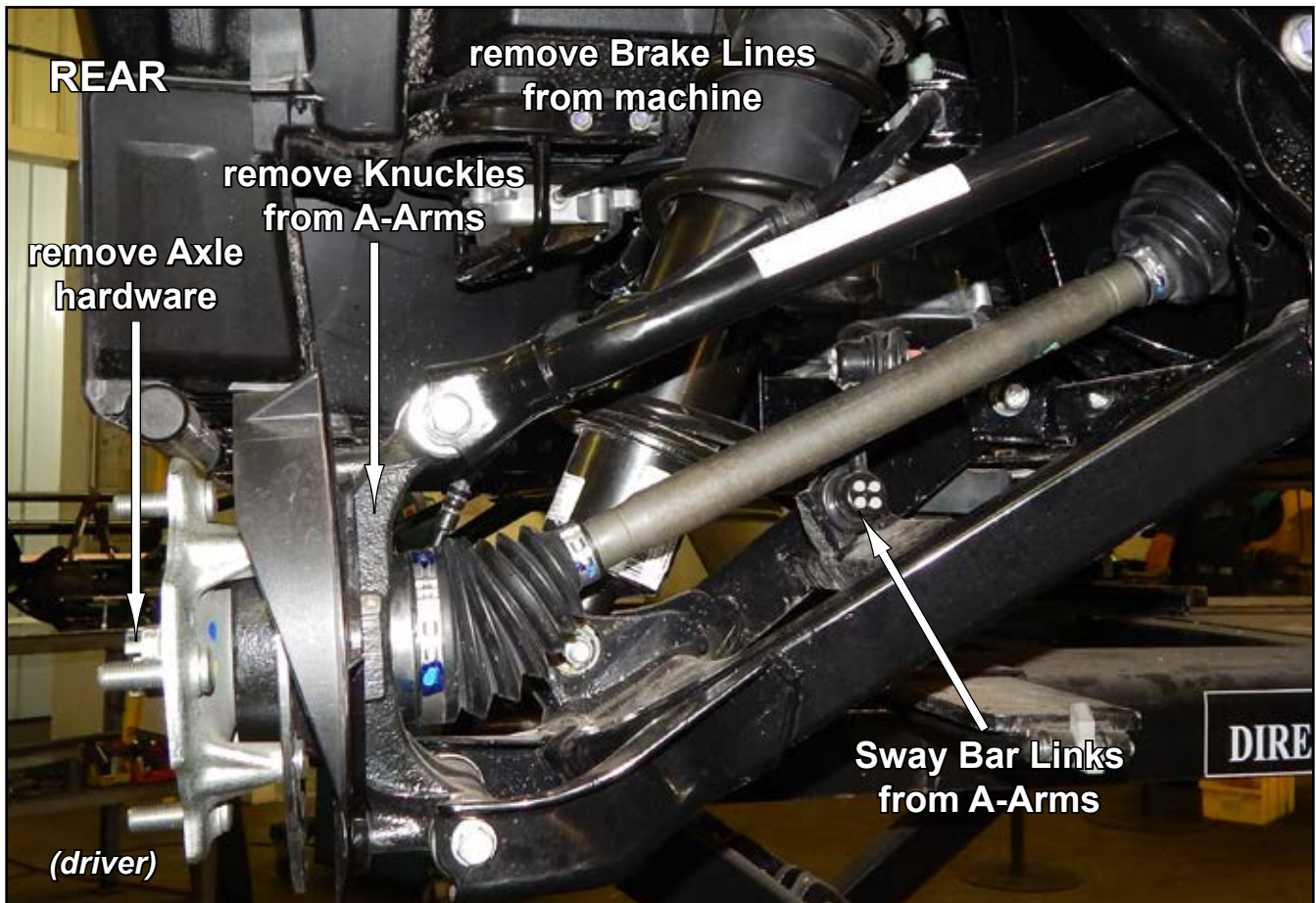
DO NOT USE IMPACT WRENCH WHEN INSTALLING ANY HARDWARE INTO HOUSING



Components Removal: *Keep all components removed from machine.*



Sku PGH6-3-64-455: DO NOT REMOVE BRAKE LINES FROM MASTER CYLINDER

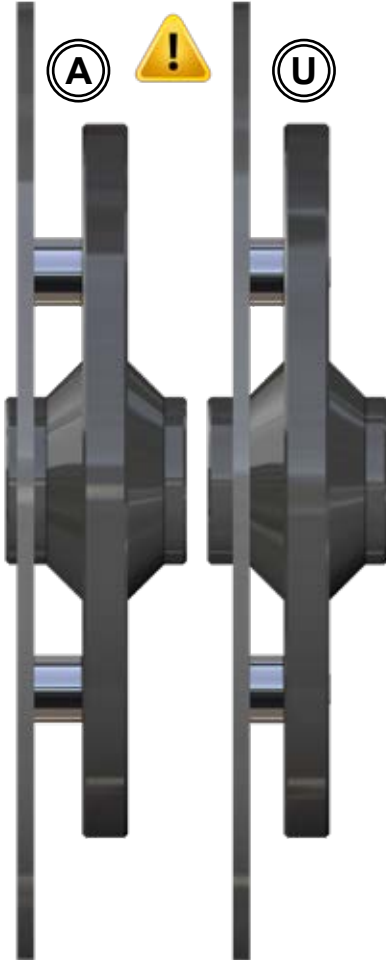


Use Lug Nut removed from machine to verify correct Wheel Stud installation.

Install provided Studs into Rotors (A)(U):

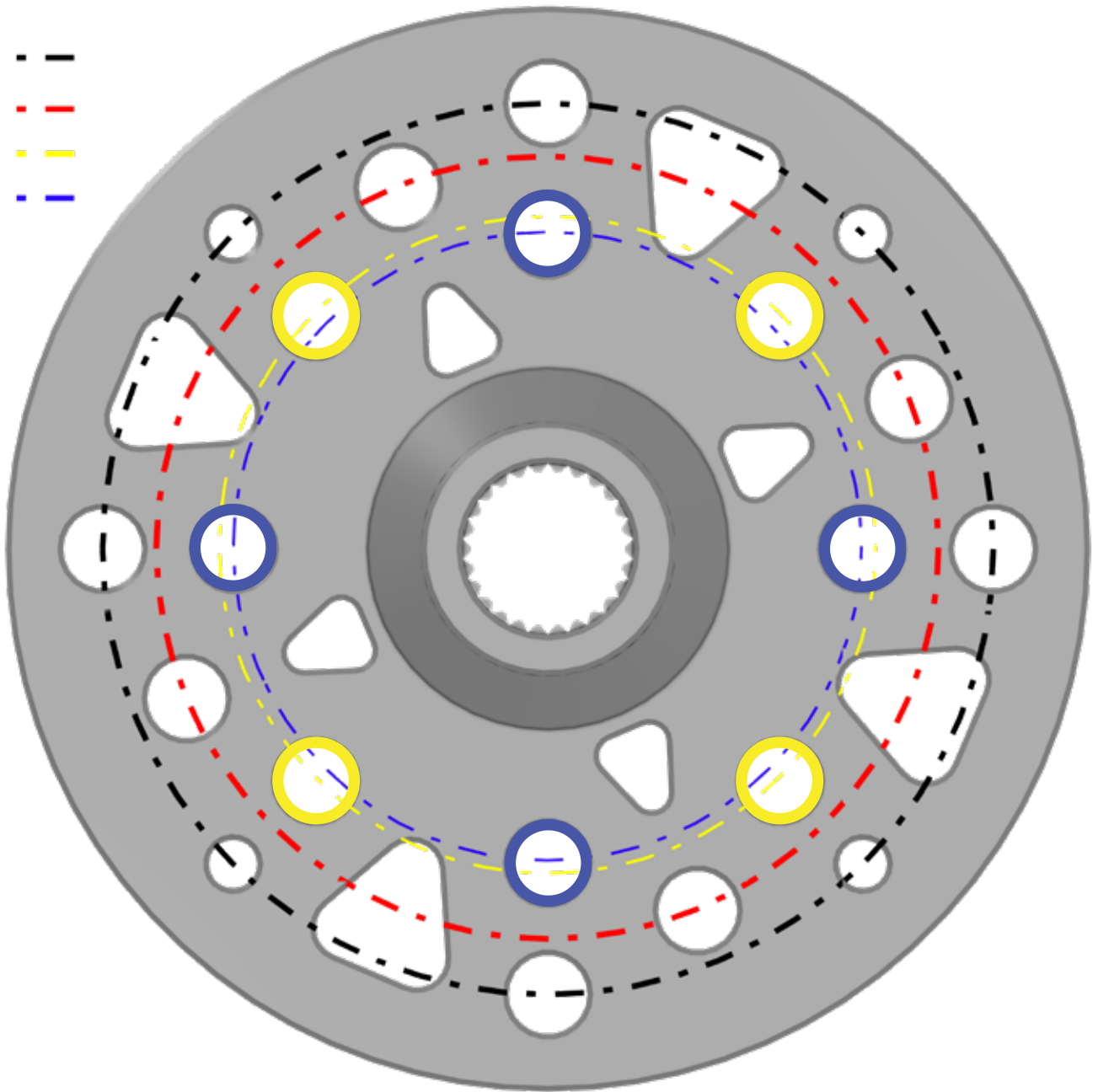
- See "Wheel Hub Bolt Patterns".
- Note machines bolt pattern and lug size.
- Set aside when complete.

Front Rotor (U) is thinner than Rear Rotor (A).



Wheel Hub Bolt Patterns

- A - - - -
- B - - - -
- C - - - -
- D - - - -



Pattern	Machine	Diameter
A	Polaris	156mm
B	Can-Am/Teryx4	137mm
C	Arctic Cat	115mm
D	Honda/Yamaha	110mm

Front: *do not tighten hardware completely unless noted.*

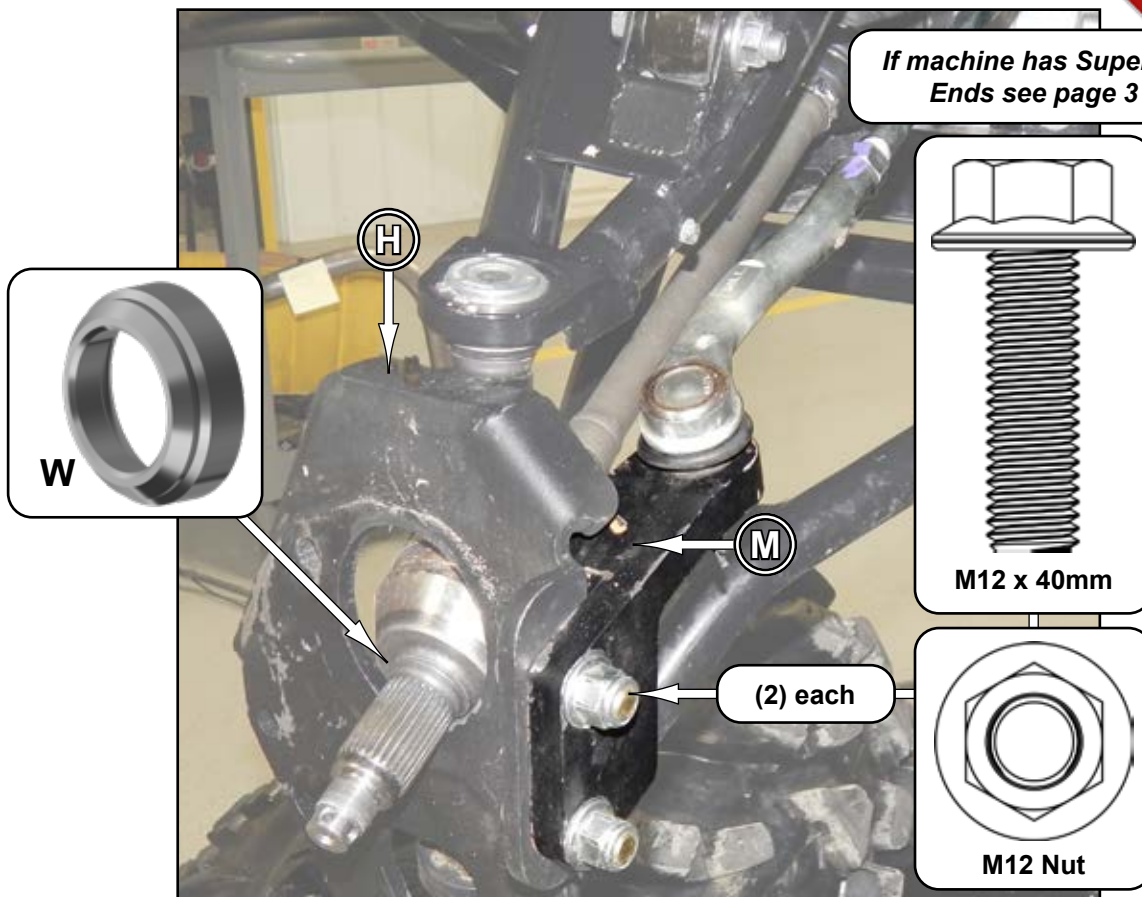
- Secure Left Spindle (H) to A-Arms with stock hardware.



- Secure Left Steering Arm (M) to Left Spindle (H) with hardware shown.
- Install Drive Gear Spacer (W) onto Axle.
- Secure Tie Rod End to Left Steering Arm (M) with stock hardware.

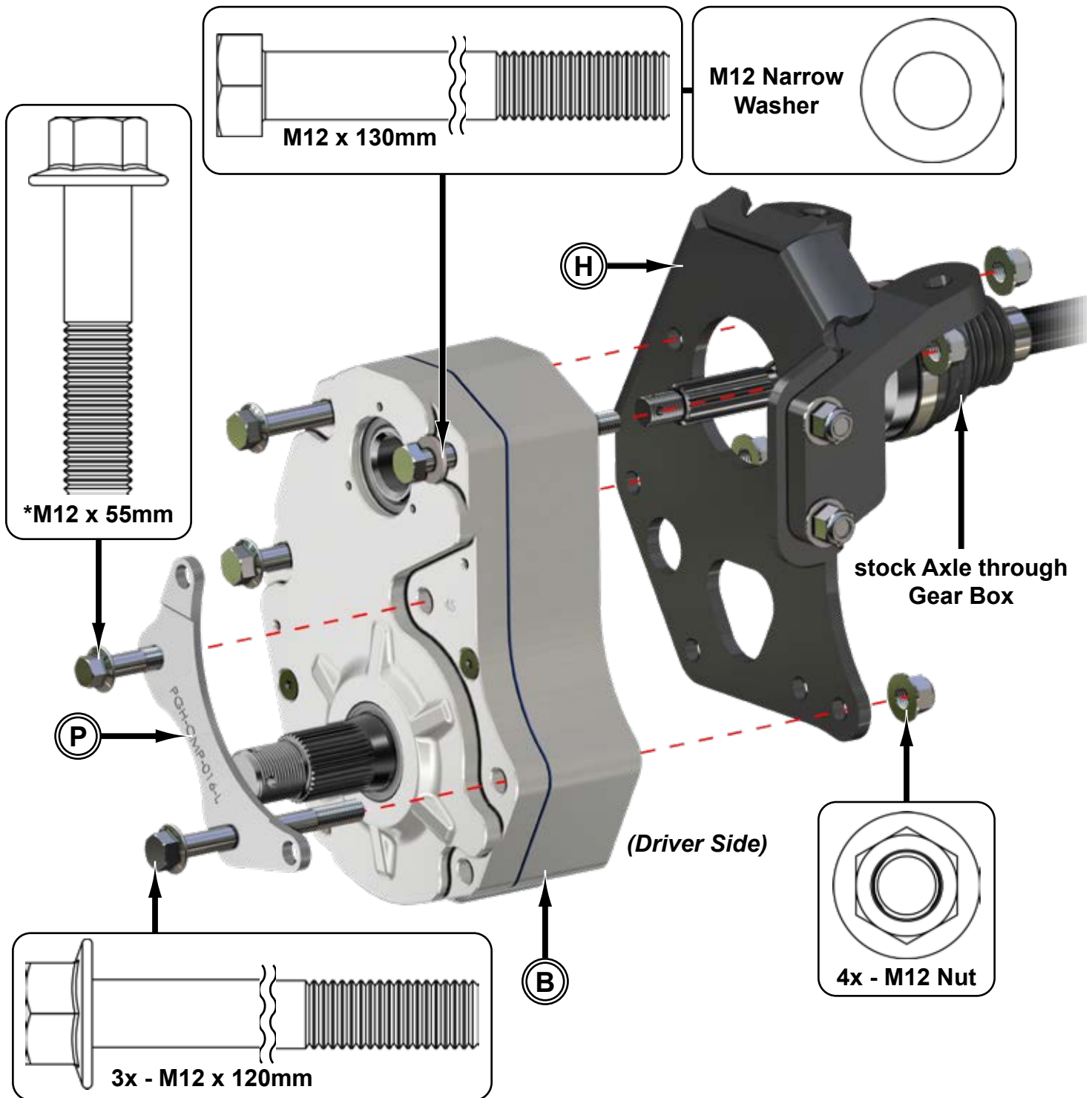


If machine has SuperATV Heavy Duty Tie Rod Ends see page 3 for correct hardware.



Front continued:

- Secure Left Gear Box (B) and Front Caliper Mounting Bracket (P) to Left Spindle (H) with hardware shown.
- Complete Left Steering Arm (M) assembly to Left Spindle (H) assembly as shown.

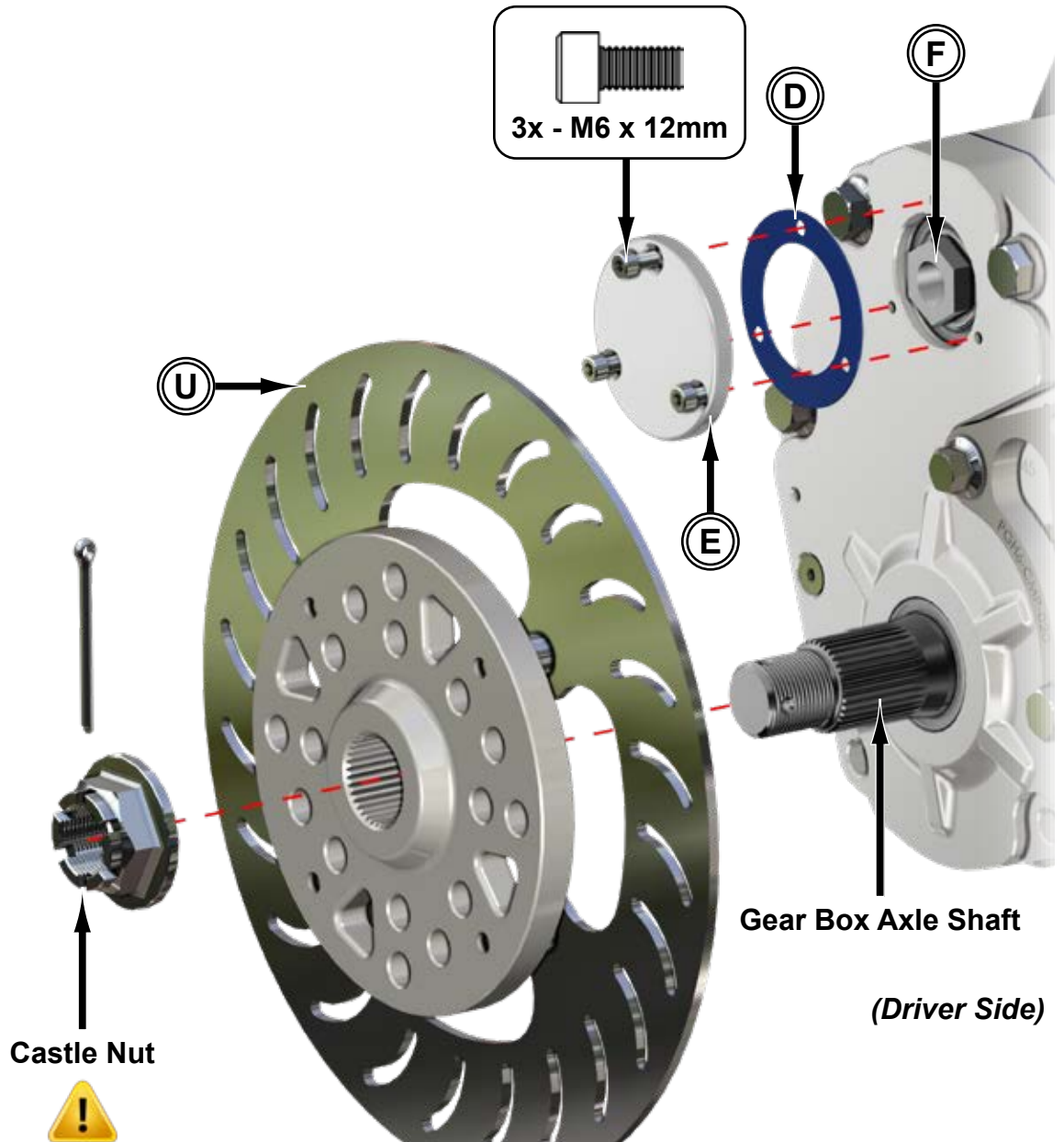


***Torque to 60 ft/lbs MAX**

Tighten all hardware completely.

Front continued:

- Secure stock Axle with Recessed Nut (F); use thread locker.
- Secure Gasket (D) and Cap (E) to Left Gear Box (B) with hardware shown.
- Secure Front Rotor (U) to Gear Box Axle Shaft with hardware shown.

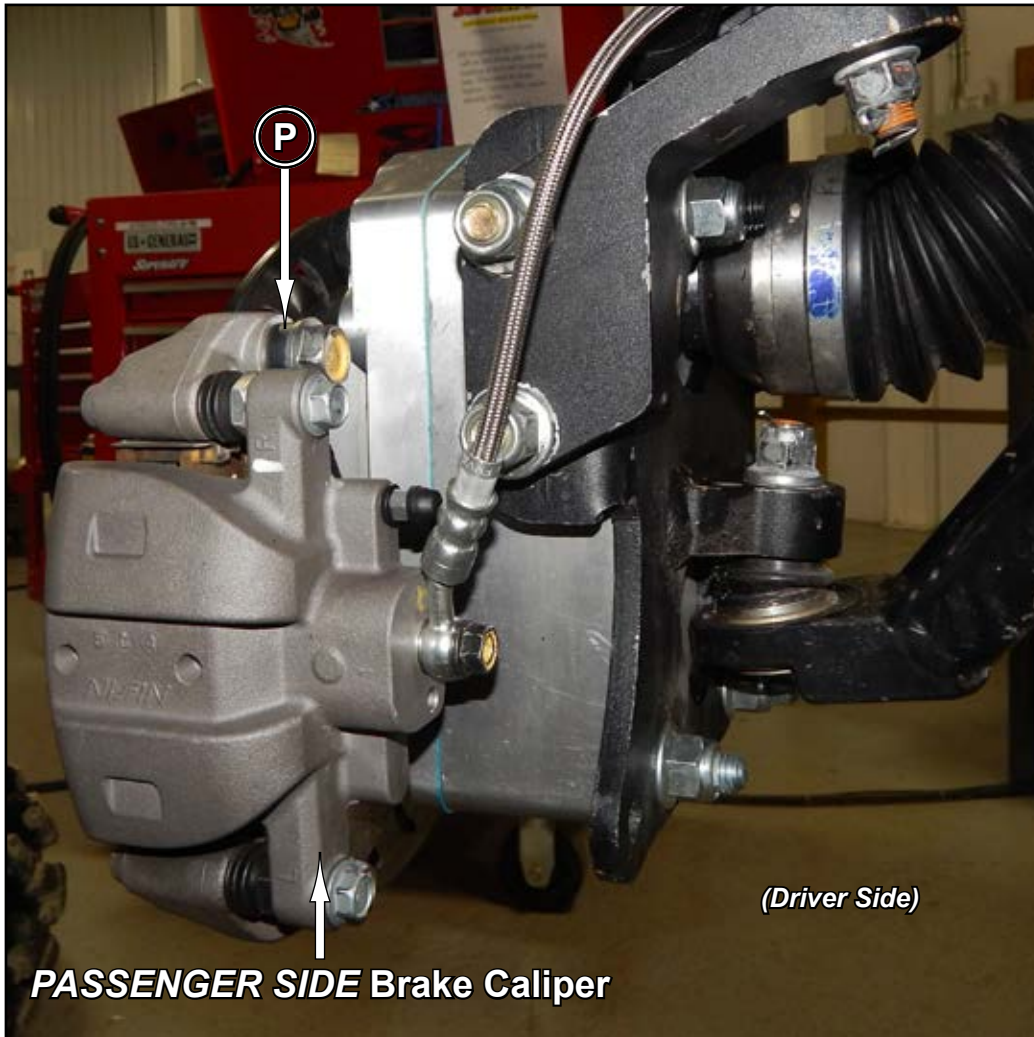


- Torque to minimum 300 Ft/Lbs.
- Continue tightening until Cotter Pin can be installed.

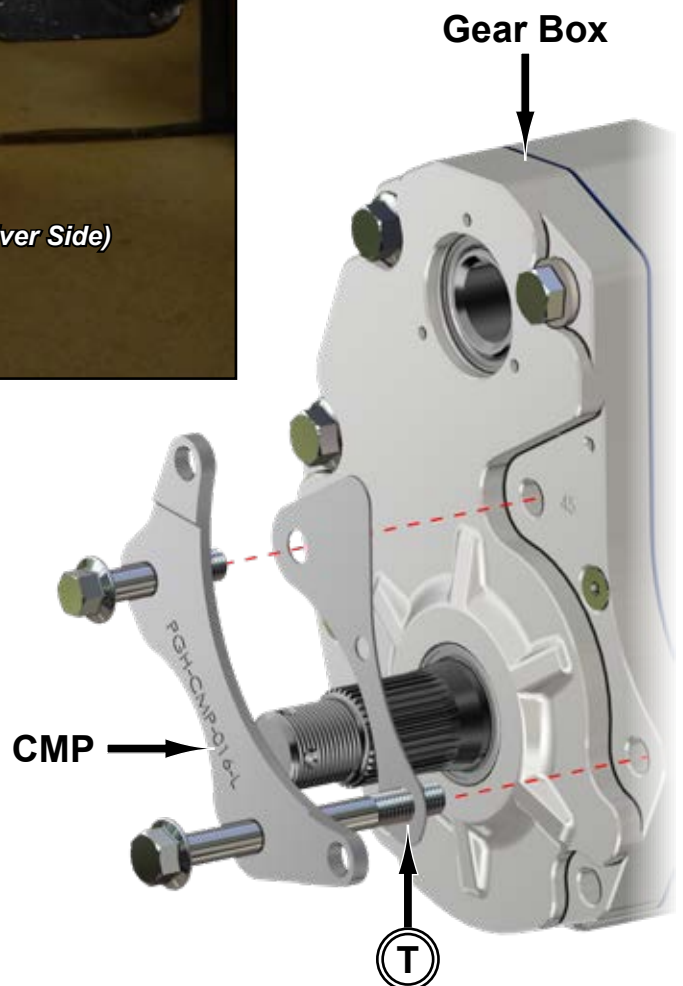
Tighten all hardware completely and repeat steps for opposite side.

Front continued:

- Front Brake Calipers must be switched: passenger side to driver side. Bleeders must face up.
- Install stock Caliper to Front Caliper Mounting Bracket (P) with stock hardware.
- Install supplied Brake Lines.
- Ensure that no binding occurs after Brake Lines have been installed and secured.
- Repeat for opposite side.



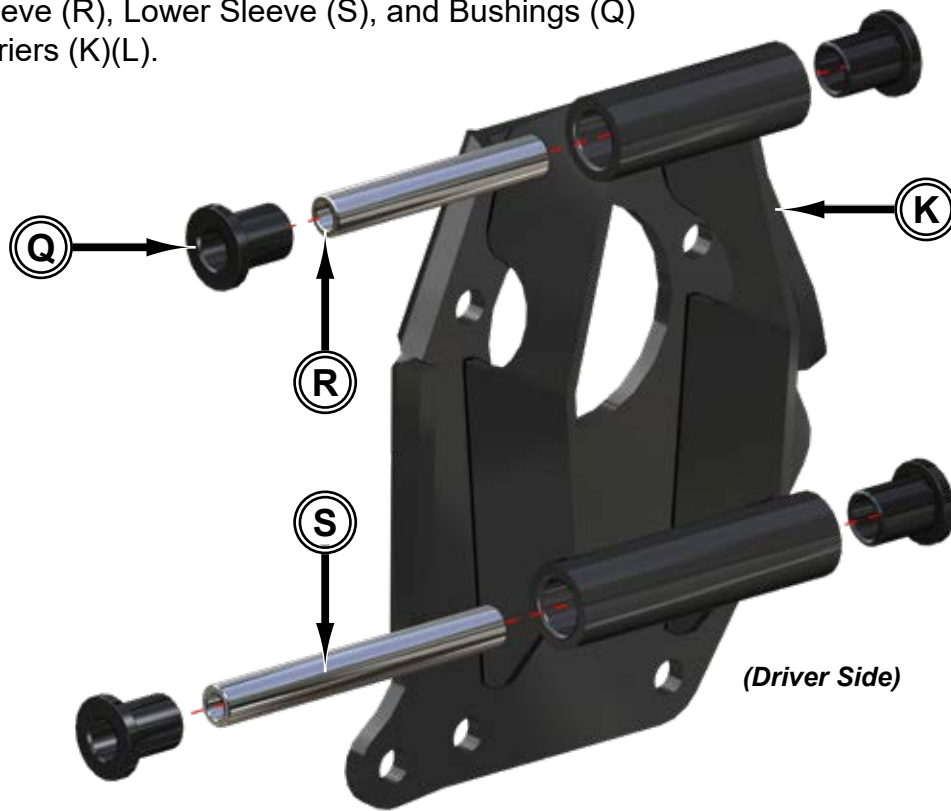
- In certain instances, interference may occur between Caliper and Rotor. Install provided Shim (T) between CMP and Gear Box.



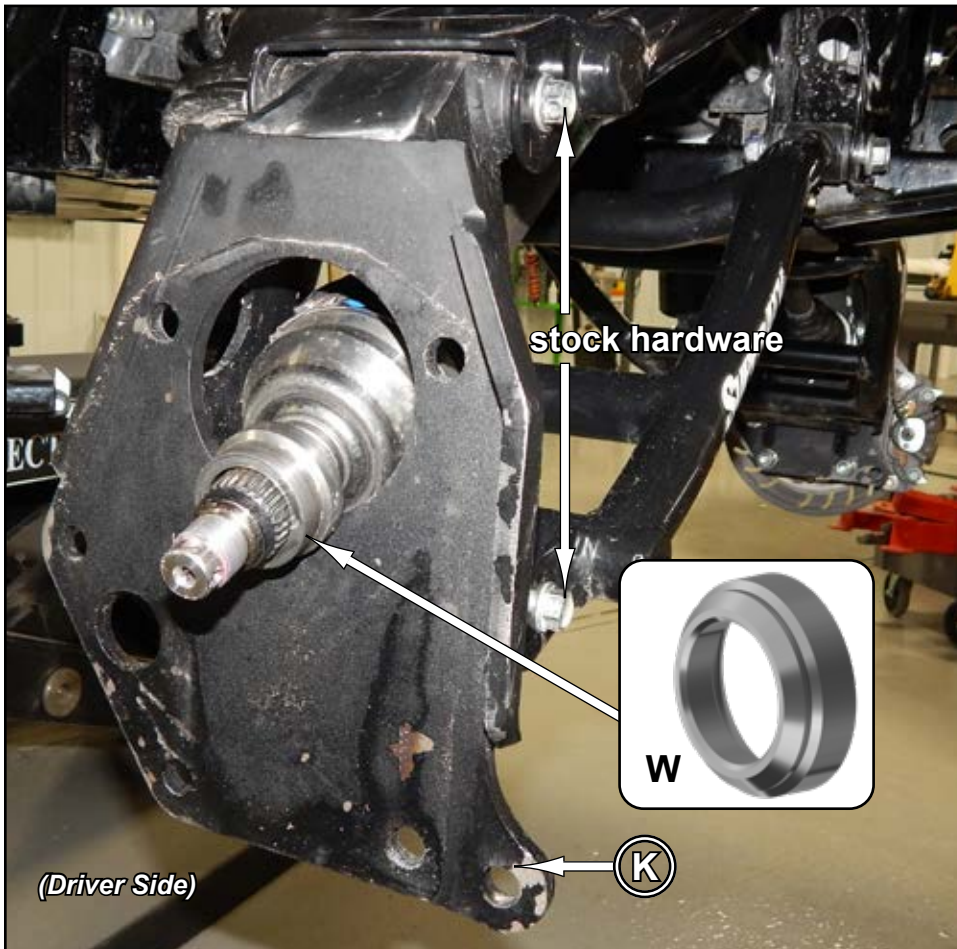
Tighten all hardware completely.

Rear: *do not tighten hardware completely unless noted.*

- Install Upper Sleeve (R), Lower Sleeve (S), and Bushings (Q) into Bearing Carriers (K)(L).

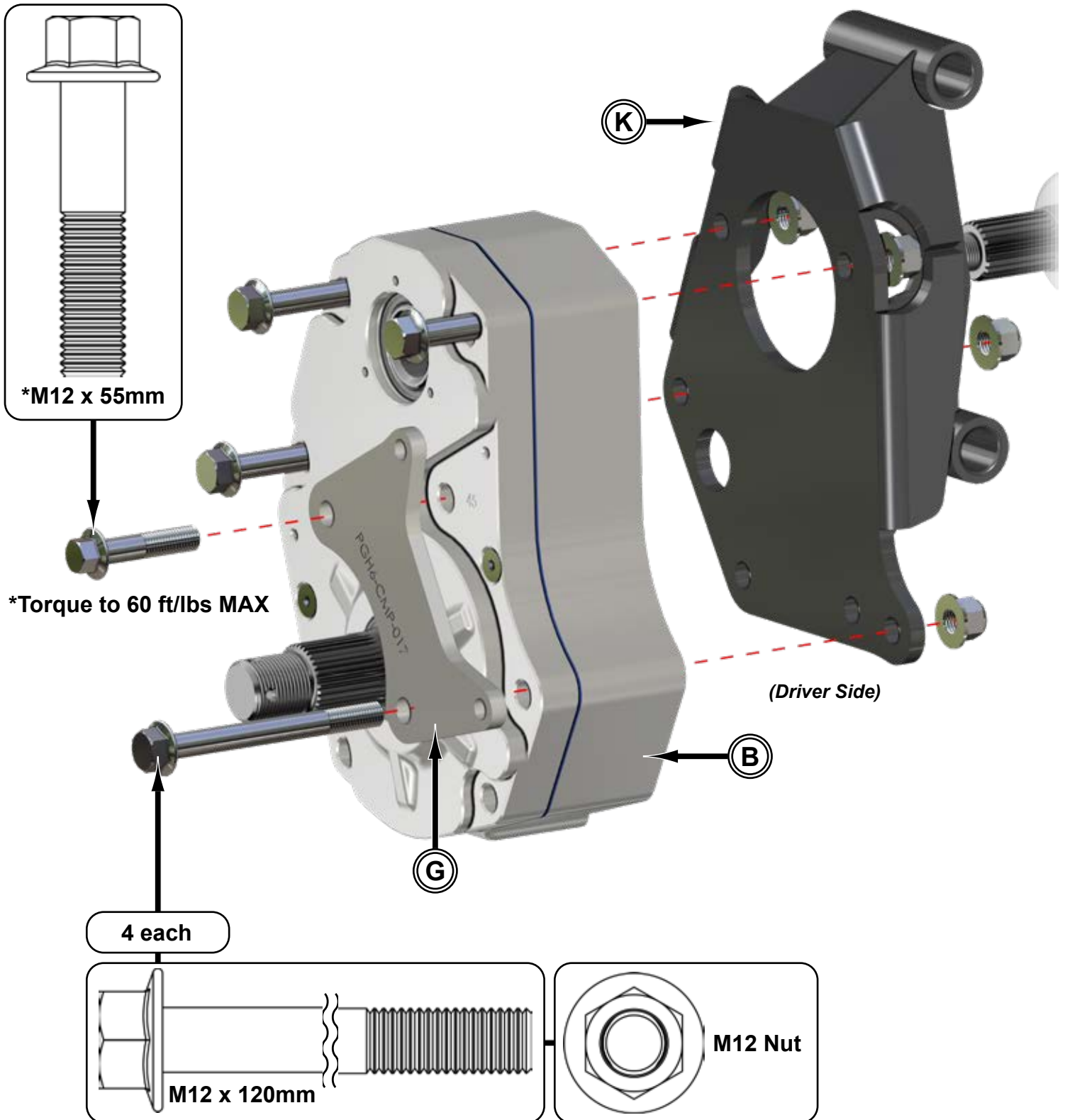


- Install Left Bearing Carrier (K) to A-Arms with stock hardware.
- Install Rear Drive Gear Spacer (W) onto Axle.



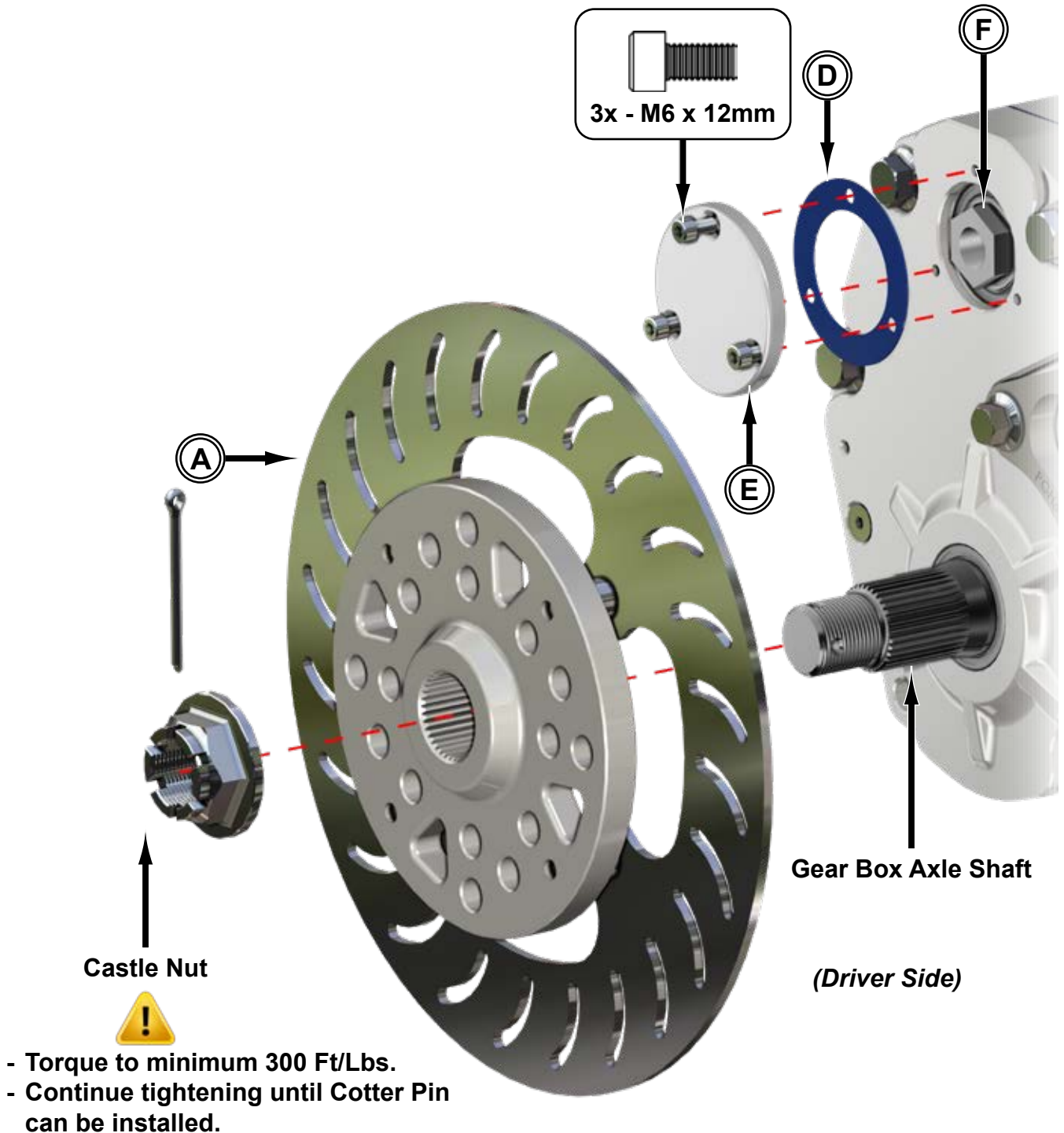
Rear continued:

- Install Left Gear Box (B) and Rear Caliper Mounting Bracket (G) to Left Bearing Carrier (K) with hardware shown.



Rear continued:

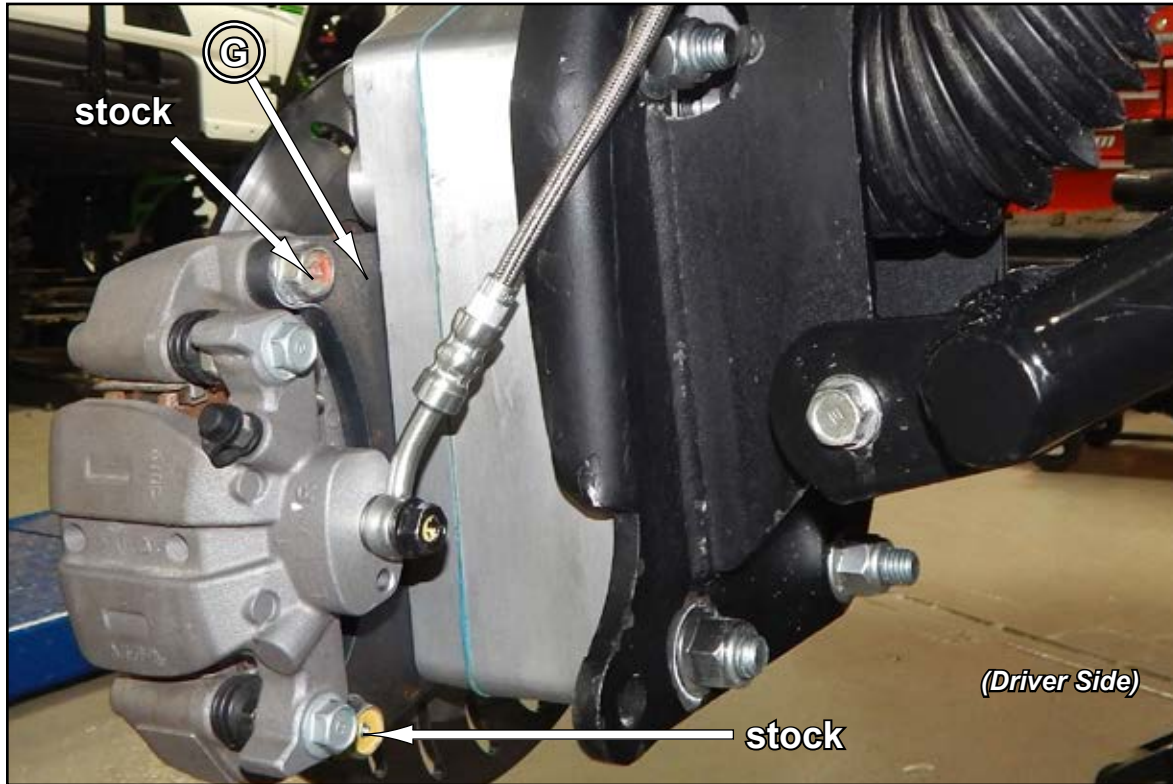
- Secure stock Axle with Recessed Nut (F); use thread locker.
- Secure Gasket (D) and Cap (E) to Left Gear Box (B) with hardware shown.
- Secure Rear Rotor (A) to Gear Box Axle Shaft with hardware shown.



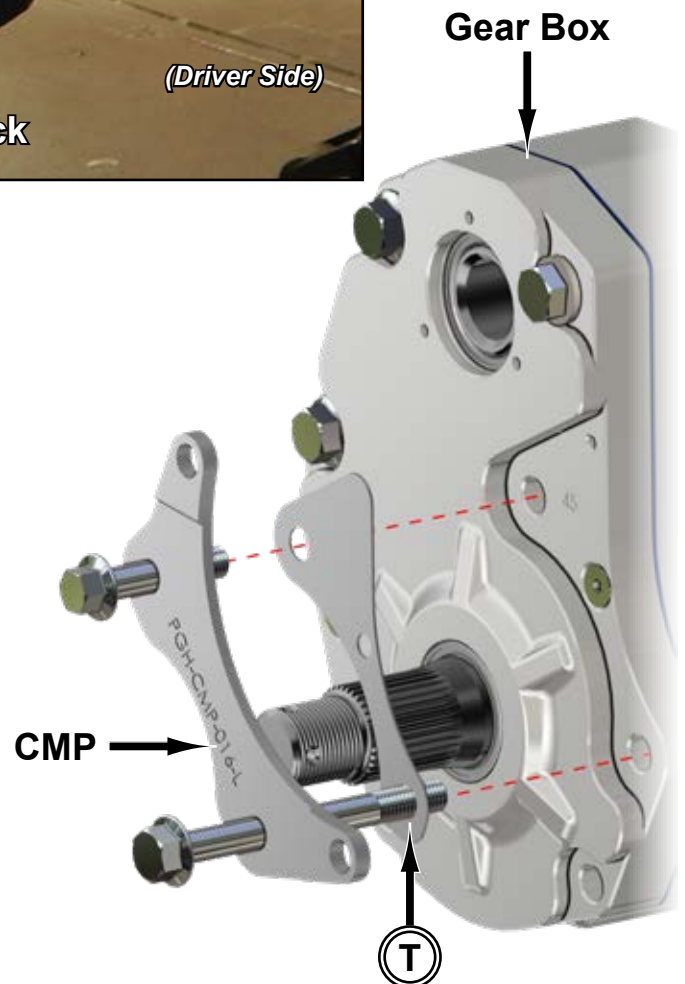
Tighten all hardware completely and repeat steps for opposite side.

Rear continued:

- Rear Brake Calipers must be switched: passenger side to driver side. Bleeders must face up.
- Install stock Caliper to Rear Caliper Mounting Bracket (G) with stock hardware.
- Install supplied Brake Lines.
- Ensure that no binding occurs after Brake Lines have been installed and secured.
- Repeat for opposite side.
- Tighten all hardware completely.

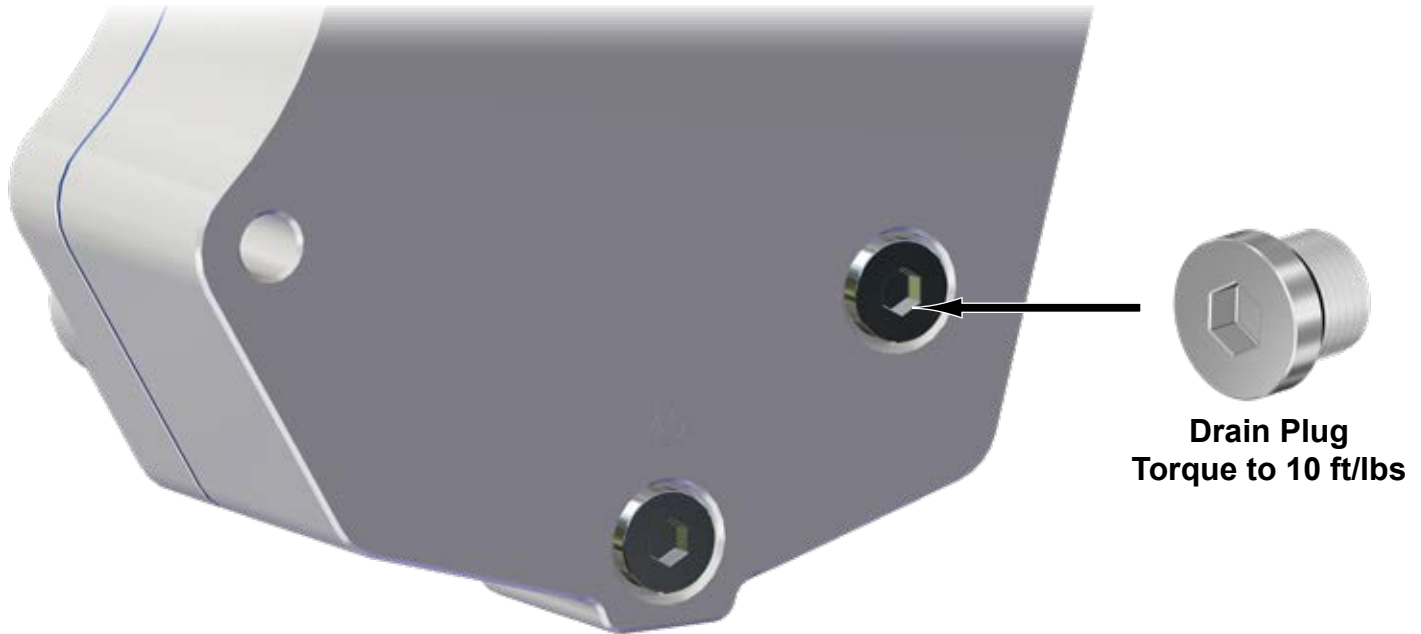


- In certain instances, interference may occur between Caliper and Rotor. Install provided Shim (T) between CMP and Gear Box.



Tighten all hardware completely.

- Attach a hose to a funnel and fill each Gear Box (B-C) with SuperATV Portal Gear Blood.
- Fill up to fill hole.
- Install Drain Plug.



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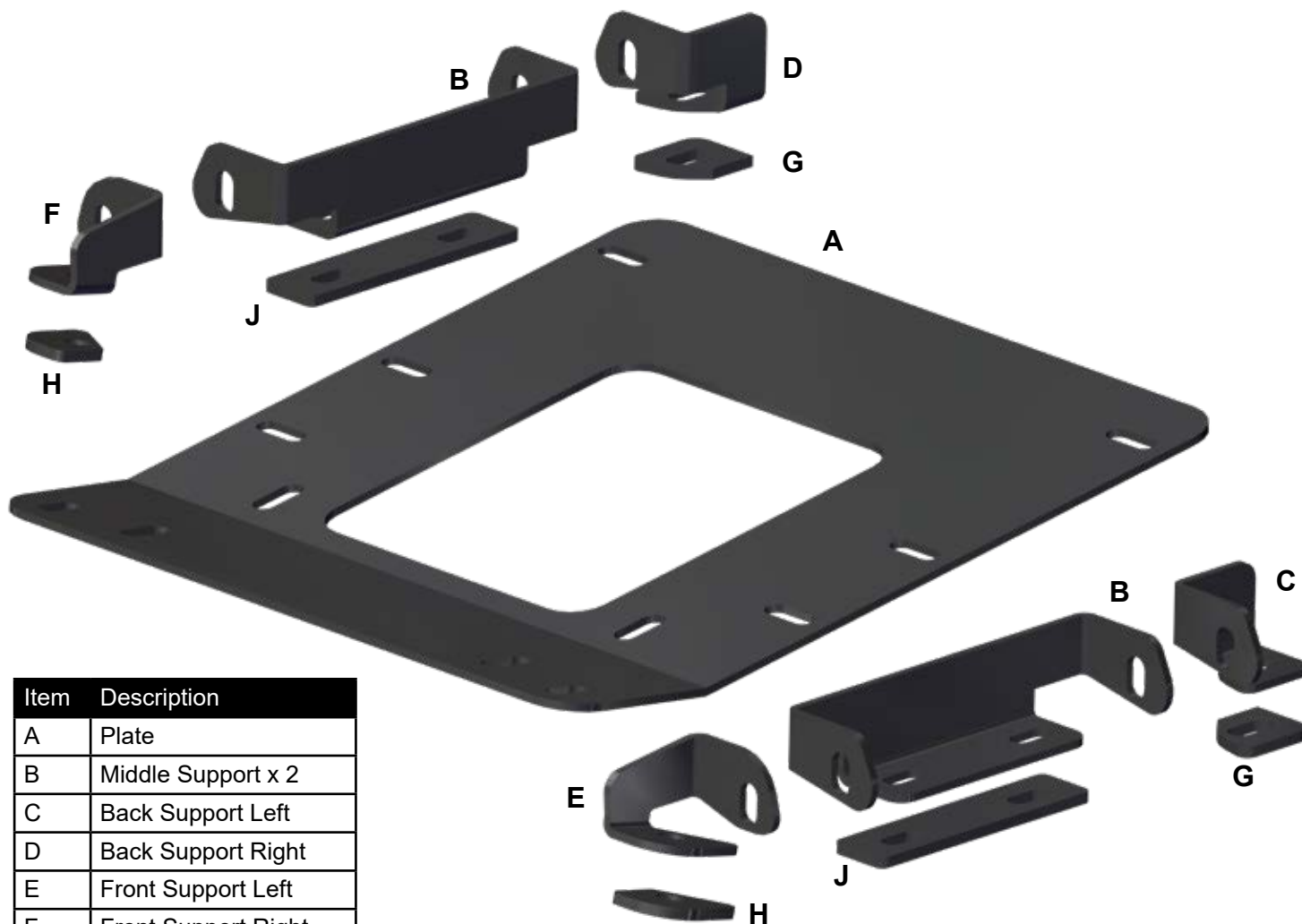
SuperATV® will warranty only parts provided by SuperATV®. Any damage or problems with OEM housings, bearings, seals, or other manufacturers' products will not be covered by SuperATV®. SuperATV® parts and products are not warrantied if item was not installed properly, misused, or modified.

Installing, adding, modifying, or fabricating any factory or aftermarket product to your ATV/UTV may violate certain local, state, and federal laws. Be advised that laws vary depending on town, city, county, state, etc. Use of certain products on public streets, roads, or highways may be in violation law. The Buyer is solely and exclusively legally and personally responsible for any violation of the law by the installation or use of the product. You must abide by all local, state, and federal laws, including but not limited to vehicle safety, traffic laws, and ordinances. It is your responsibility to know the laws and how they apply to you.

The Buyer is responsible to fully understand the capability and limitations of his/her vehicle according to manufacturer specifications, warnings and instructions and agrees to hold SuperATV® harmless from any damage resulting from failure to adhere to such specifications, warnings and/ or instructions. The Buyer is also responsible to obey all applicable federal, state, and local laws and ordinances when operating his/her vehicle while using this product, and the Buyer agrees to hold SuperATV® harmless from any violation thereof.

***Instructions for OPTIONAL Frame
Stiffener, Winch Mount, etc. included.***

***Disregard if only Portal Gear Hubs
are being installed.***



Item	Description
A	Plate
B	Middle Support x 2
C	Back Support Left
D	Back Support Right
E	Front Support Left
F	Front Support Right
G	Rear Spacer x 2
H	Front Spacer x 2
J	Middle Spacer x 2

(kit contents continue on following page)

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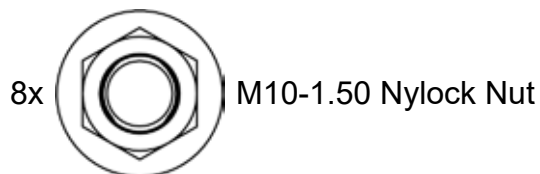
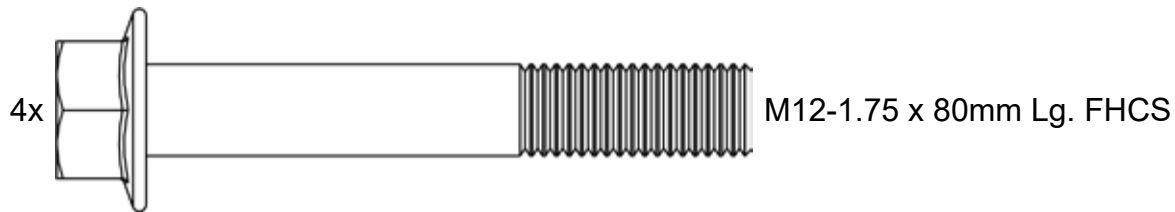
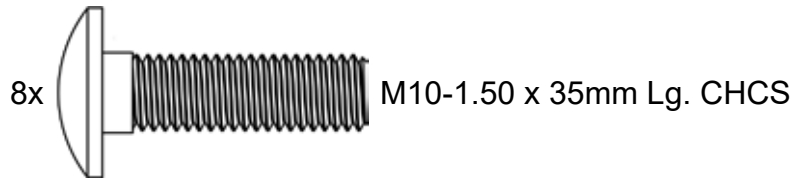
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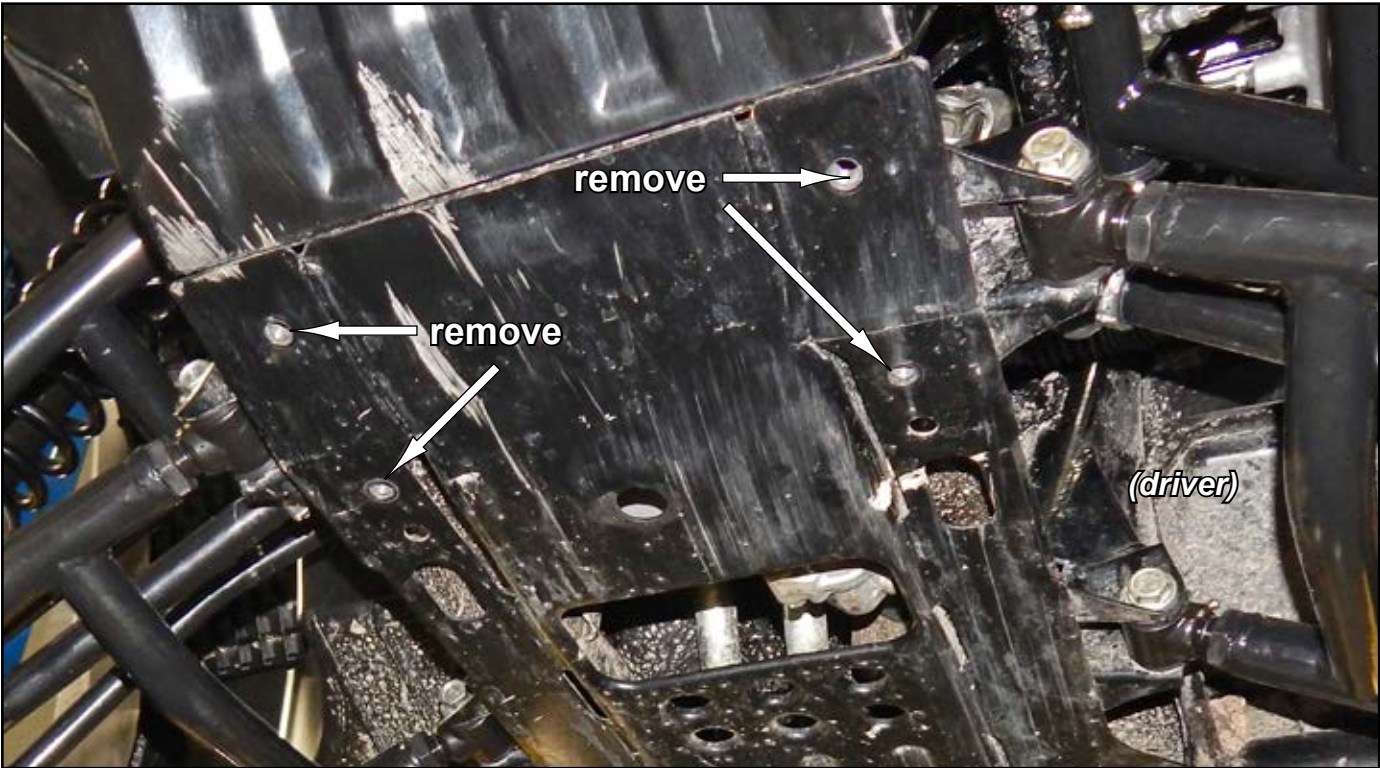
By purchasing and installing SuperATV® products, user agrees that should damages occur, SuperATV® will not be held responsible for loss of time, use, labor fees, replacement parts, or freight charges. SuperATV®, nor any 3rd party, will not be held responsible for any direct, indirect, incidental, special, or consequential damages that result from any product purchased from SuperATV®. The total liability of seller to user for all damages, losses, and causes of action, if any, shall not exceed the total purchase price paid for the product that gave rise to the claim.

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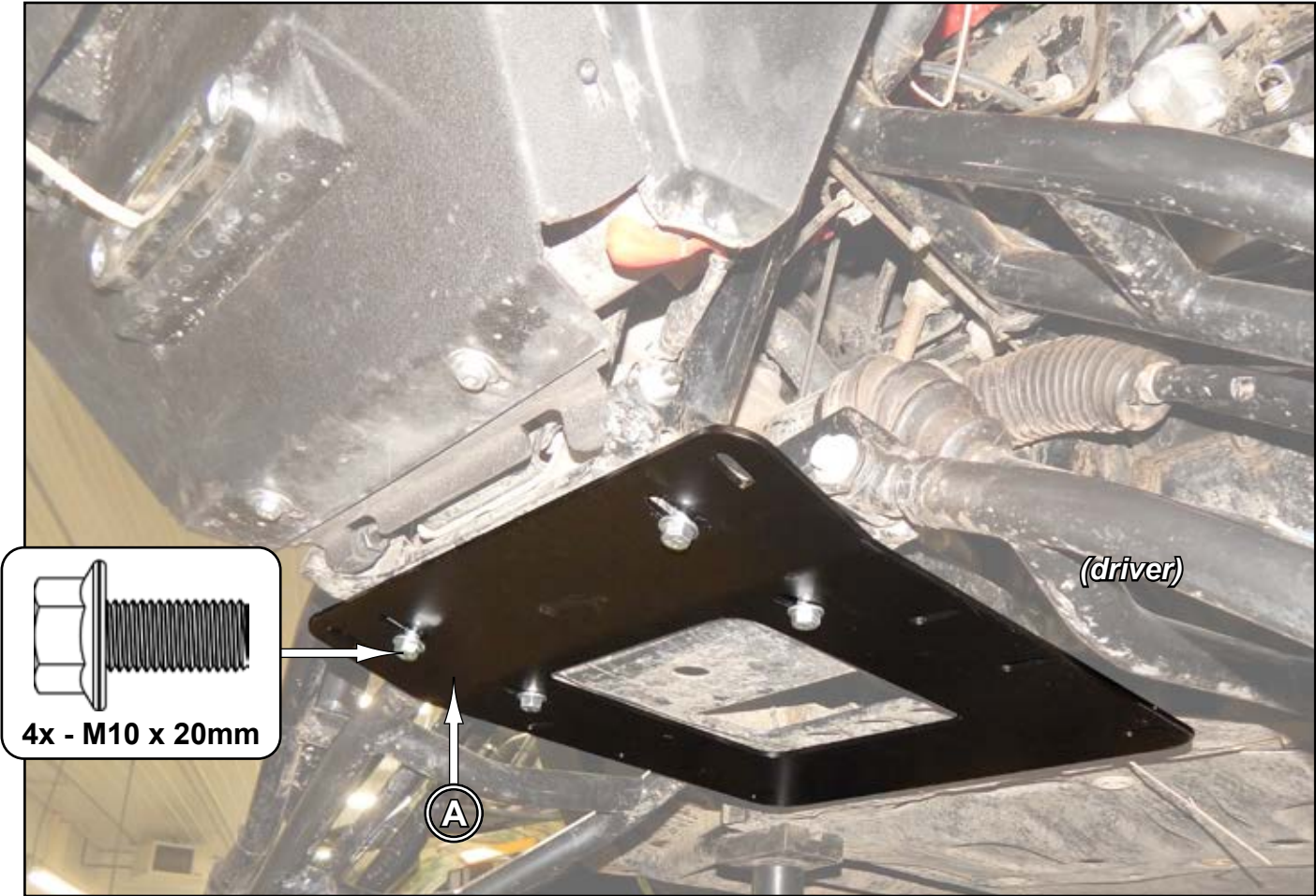
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- If present, remove stock hardware shown; discard.

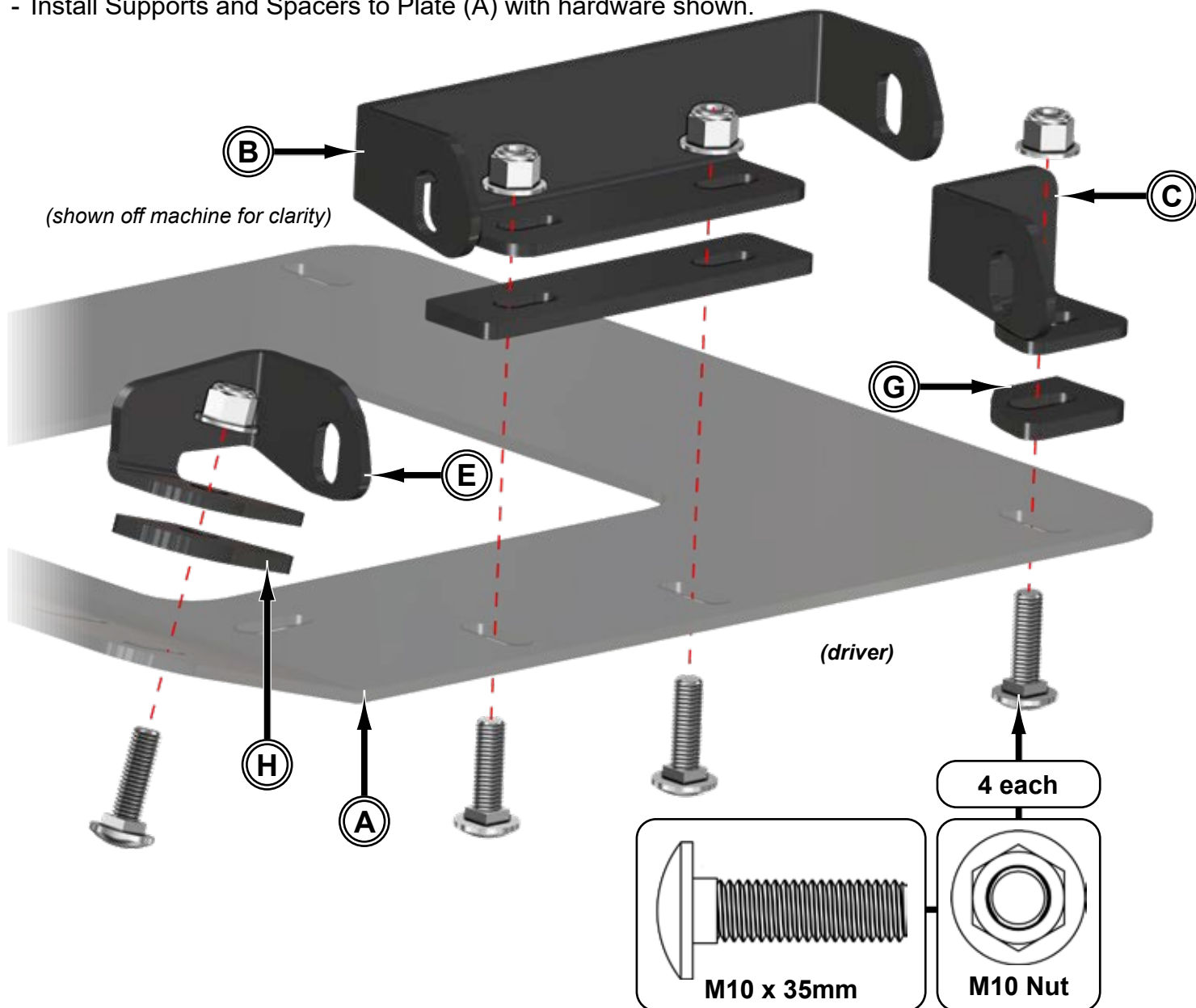


do not tighten any hardware completely unless noted

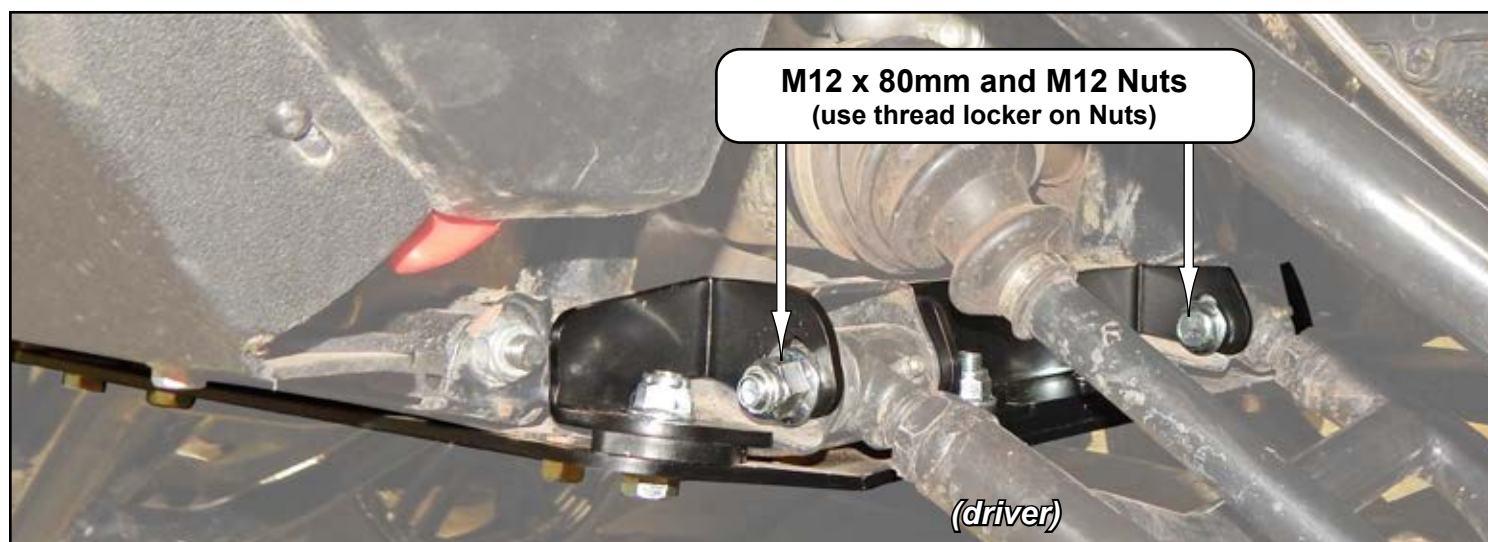
- Install Plate (A) to machine with hardware shown.



- Install Supports and Spacers to Plate (A) with hardware shown.



- Install A-Arms to machine and Supports with hardware shown.



- Repeat steps for opposite side and tighten all hardware completely.