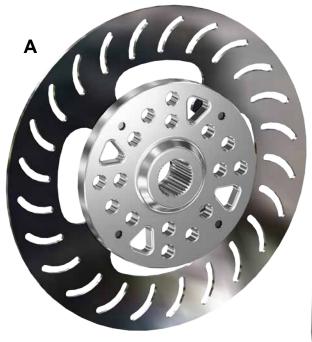


INSTALLATION INSTRUCTIONS

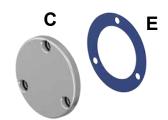
Portal Gear Hubs - 8"

Polaris RZR® XP 1000 (2015+)

WHEN FILLING GEAR BOX USE ONLY 80W-90 GEAR OIL. USING GREASE WILL CAUSE FAILURE OF GEARS AND BEARINGS. USING GREASE WILL VOID THE WARRANTY.









Item	Description
Α	Rotor x 4
В	Gear Box x 4
С	Cap x 4
D	Recessed Nut x 4
E	Gasket x 4

(Kit Contents continue on following pages)

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-855-743-3427



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

9:00am - 2:00pm EST Saturday

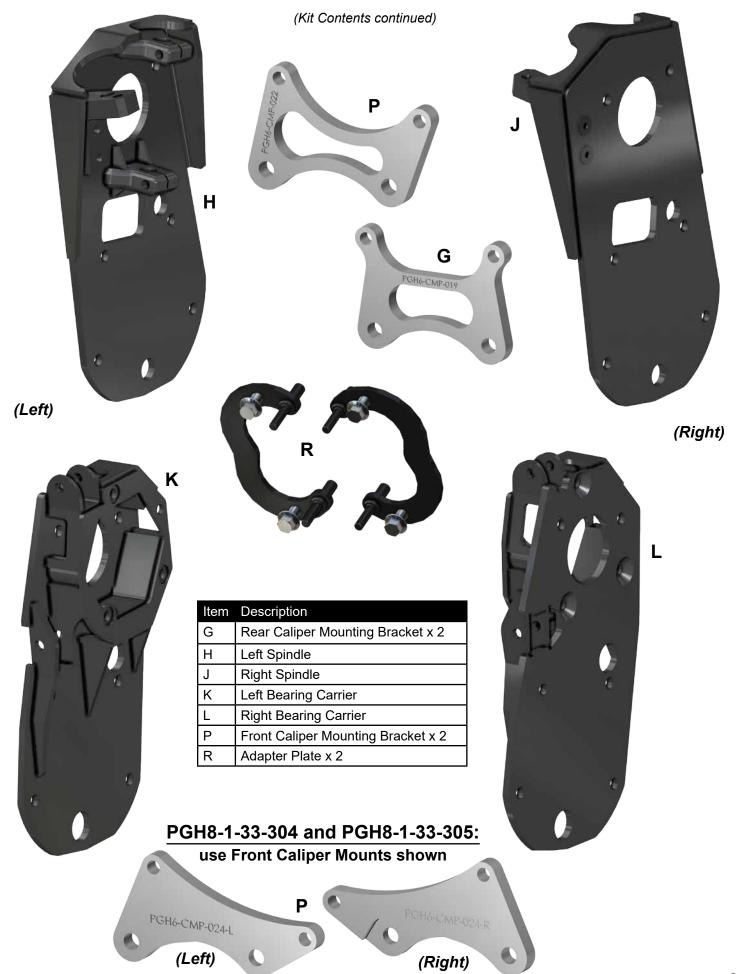
Read instructions and view illustrations before beginning.

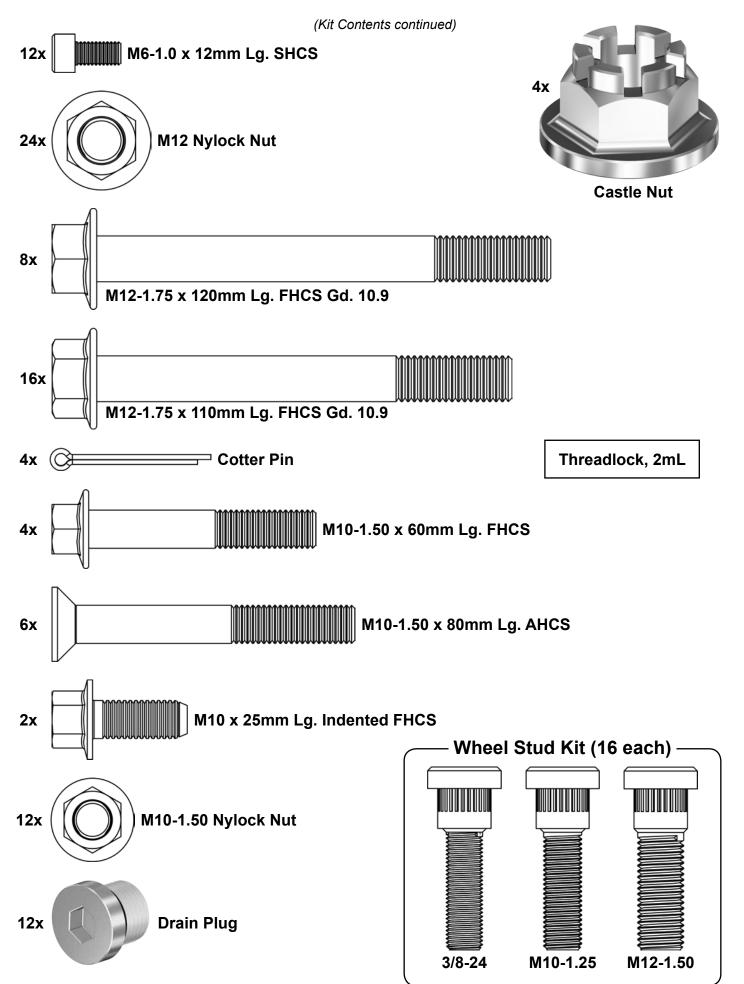
Thank You

For Choosing



IN-PGH8-1-33-301 ~ IN-PGH8-1-33-305 1/11/2018





Location	Length (Approx)	Location	Length (Approx)
Right Rear	97"	Right Front	62"
Left Rear	68"	Left Front	53-1/2"

Front Brake Lines have same style fittings at each end.

PGH8-1-33-303 and PGH8-1-33-305:

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

M12 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.

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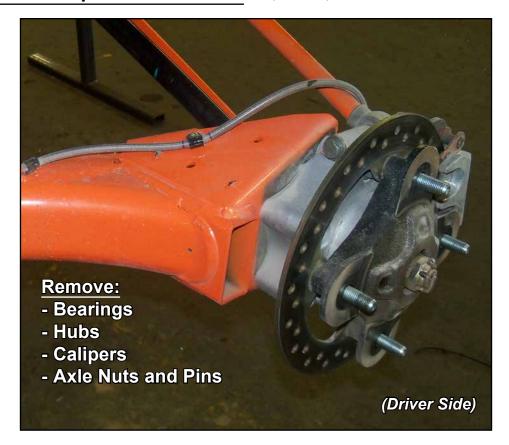
install into Drain on each Gear Box.

Front Components Removal: Keep all components removed from machine.









remove Brake Lines if 7" - 10" lift kit is installed



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

Install provided Studs into Rotors (A):

- See "Wheel Hub Bolt Patterns".

- Note machines bolt pattern and lug size.

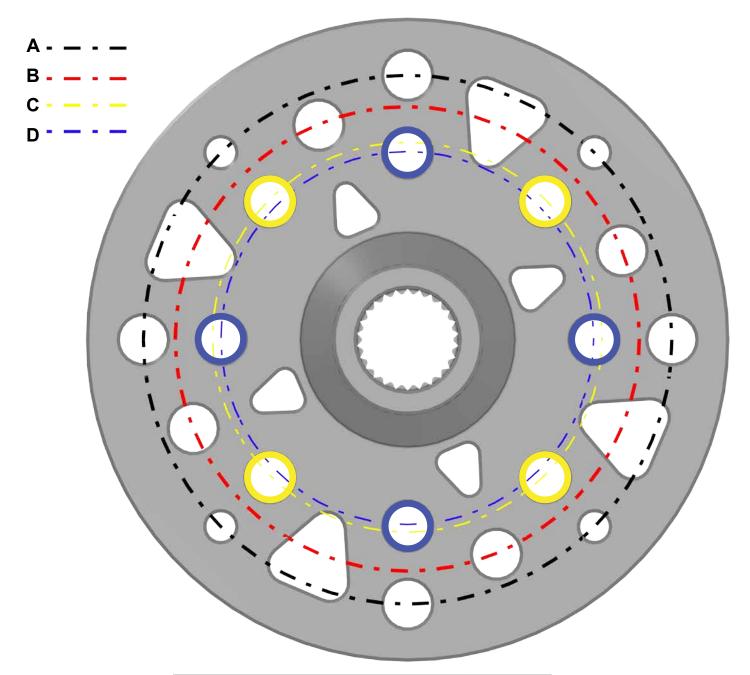
- Set Rotors (A) aside when complete.







Wheel Hub Bolt Patterns



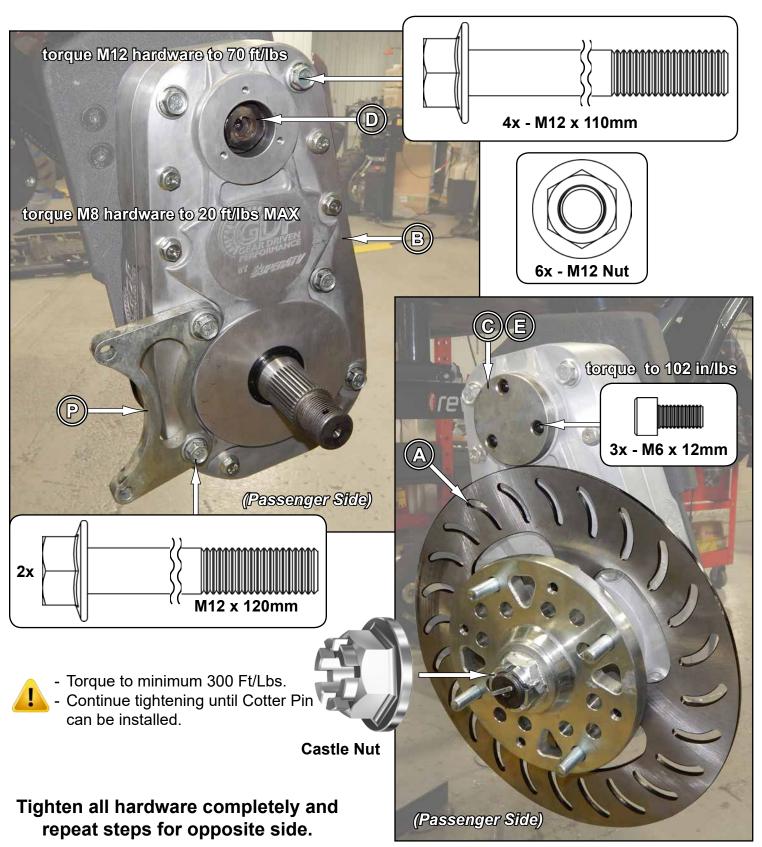
Pattern	Machine	Diameter
Α	Polaris	156mm
В	Can-Am/Teryx4	137mm
С	Arctic Cat	115mm
D	Honda/Yamaha	110mm

Front: do not tighten hardware completely unless noted.

- Secure Right Spindle (J) to A-Arms with stock hardware. Tighten hardware completely.



- Install Gear Box (B) and Front Caliper Mounting Bracket (P) to Right Spindle (J) with hardware shown.
- Secure stock Axle with Recessed Nut (D); use thread locker.
- Install Cap (C) and Gasket (E) to Gear Box (B) with hardware shown. Tighten hardware completely.
- Install Rotor (A) to Gear Box Axle Shaft with hardware shown.



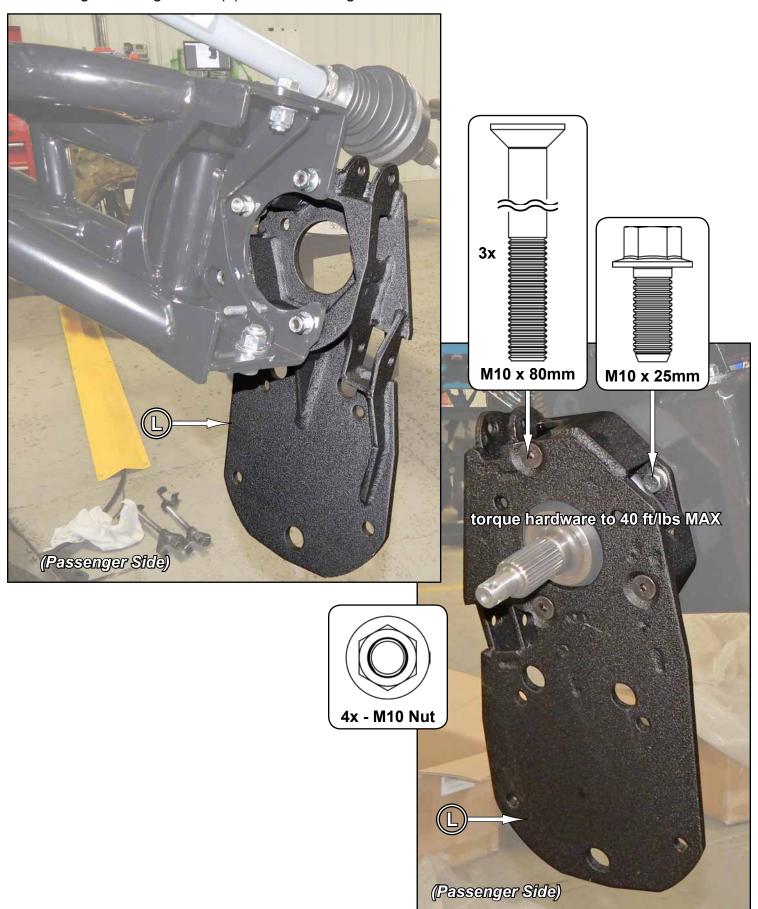
- Reinstall stock Caliper to Front Caliper Mounting Bracket (P).
- Front Brake Calipers must be switched: passenger side to driver side. Bleeders must face up.
- Install supplied Brake Lines: 62" Lg. to Passenger Side and to 53-1/2" Driver Side.
- Ensure that no binding occurs after Brake Lines have been installed and secured.



13

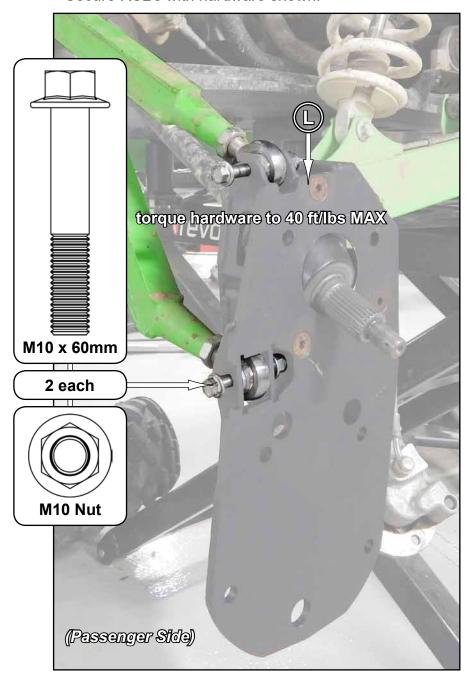
Rear: do not tighten hardware completely unless noted.

- Install Right Bearing Carrier (L) to stock Trailing Arms with hardware shown.



Rear continued:

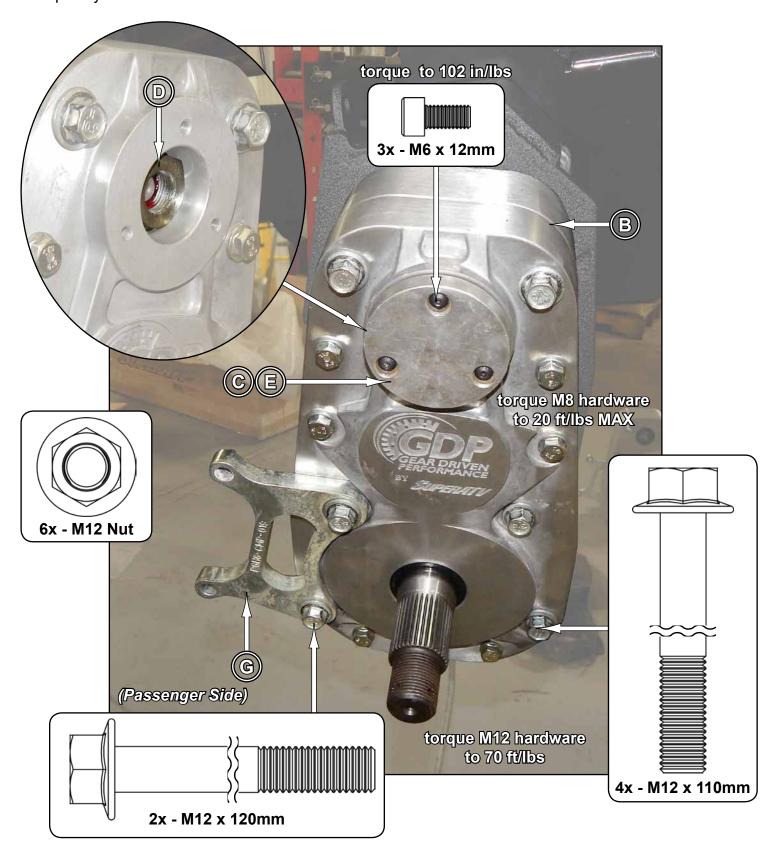
- Secure RSL's with hardware shown.



Tighten all hardware completely.

Rear continued:

- Install Gear Box (B) and Rear Caliper Mounting Bracket (G) to Right Bearing Carrier (L) with hardware shown.
- Secure stock Axle with Recessed Nut (D); use thread locker.
- Install Cap (C) and Gasket (E) to Gear Box (B) with hardware shown. Tighten hardware completely.



Rear continued:

- Secure Rotor (A) to Gear Box (B) with hardware shown.

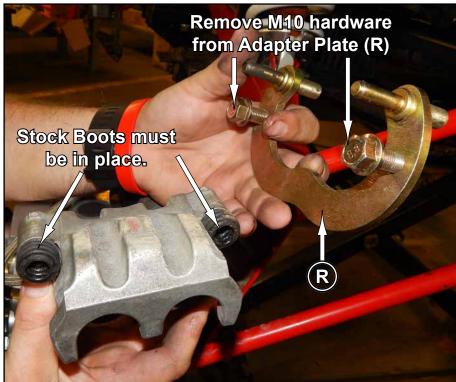


- Torque to minimum 300 Ft/Lbs.
- Continue tightening until Cotter Pin can be installed.

Tighten all hardware completely and repeat steps for opposite side.

Brake Caliper:







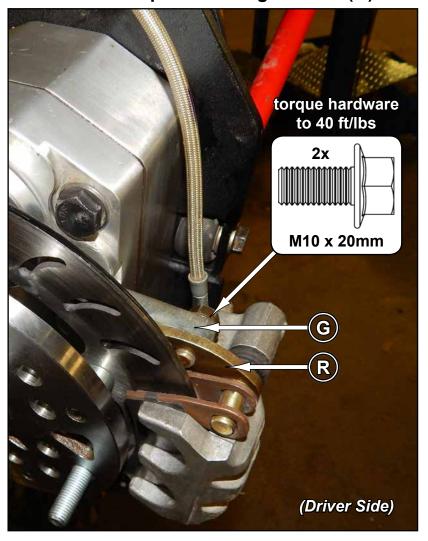


Repeat steps for opposite Brake Caliper.

Brake Caliper continued:

- Install Adapter Plate (R) / Caliper assembly to Rear Caliper Mounting Bracket (G) with previously removed M10 hardware.
- Repeat steps for opposite side.
- Install supplied 97" Lg. Brake Line to Passenger Side and 68" Lg. Brake Line to Driver Side.
- Ensure that no binding occurs after Brake Lines have been installed and secured.

Using previously removed hardware, secure Adapter Plate (R) to Rear Caliper Mounting Bracket (G).



Repeat steps for opposite Brake Caliper.

Rear Shim:

- In extremely rare instances, rear toe settings can only be corrected by adding provided Shims to each side.
- Three different thickness' are included. Start with thinnest shim.
- Rear components will have to be removed to install.



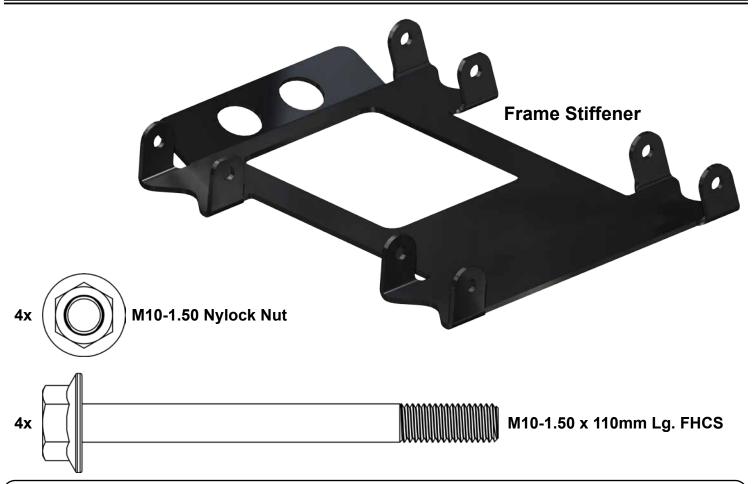
- Attach a hose to a funnel and fill each Gear Box with 80W-90 Gear Oil.
- Fill up to fill holes.





INSTALLATION INSTRUCTIONS

Frame Stiffener: For Polaris RZR® XP 1000



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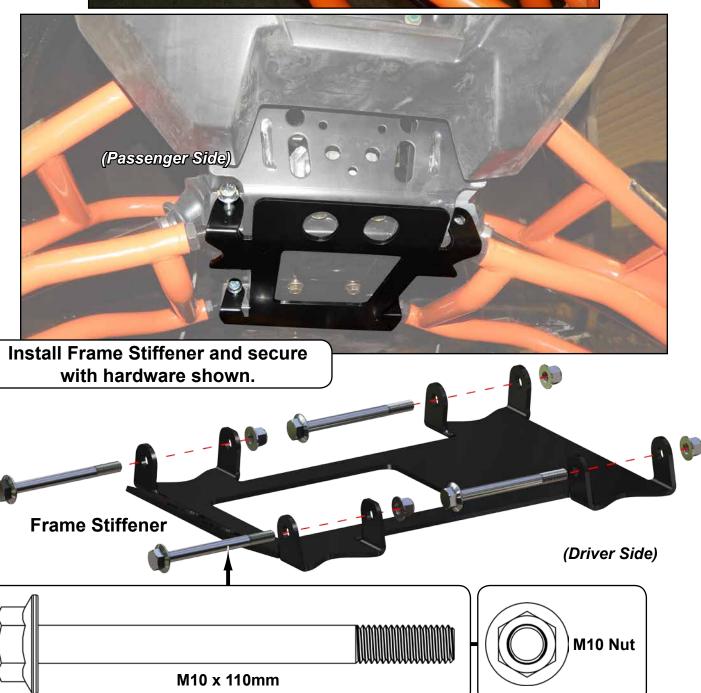
Need help with your installation? sales@superatv.com www.superatv.com 1-855-743-3427 8:00am - 9:00pm EST M-Th 8:00am - 7:00pm EST Friday 9:00am - 2:00pm EST Saturday

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7hank You

For Choosing



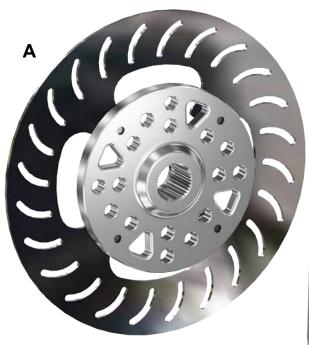




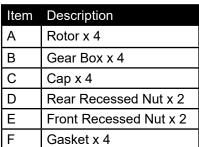
8" Portal Gear Hubs

for Polaris Ranger®

WHEN FILLING GEAR BOX USE ONLY 80W-90 GEAR OIL. USING GREASE WILL CAUSE FAILURE OF GEARS AND BEARINGS. USING GREASE WILL VOID THE WARRANTY.











(Kit Contents continue on following pages)

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(Kit Contents continued)











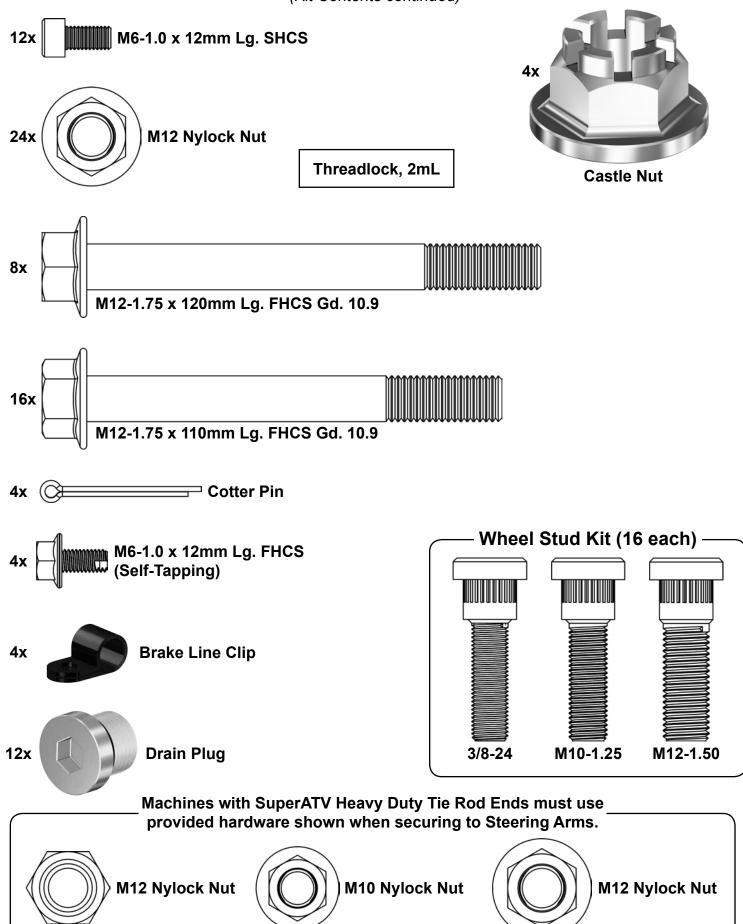
Item	Description
G	Front Caliper Mounting Bracket x 2
Н	Left Spindle
J	Rigtht Spindle
K	Left Bearing Carrier
L	Right Bearing Carrier
Р	Rear Caliper Mounting Bracket x 2

Location	Length (Approx)
Right Rear	65"
Left Rear	60"
Right Front	62"
Left Front	57"

Front Brake Lines have same style fittings at each end.







(Qty. 2 each)

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.
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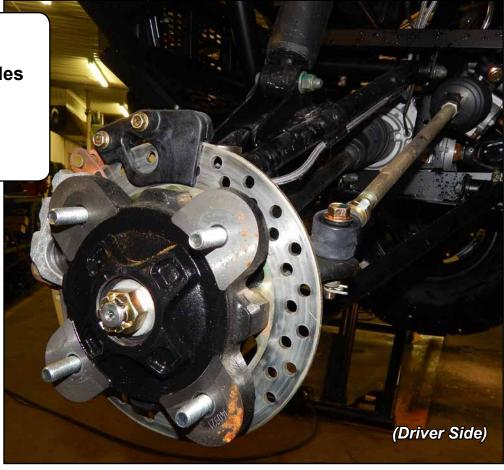
install into Drain on each Gear Box.

IN-PGH8-1-34-301 5

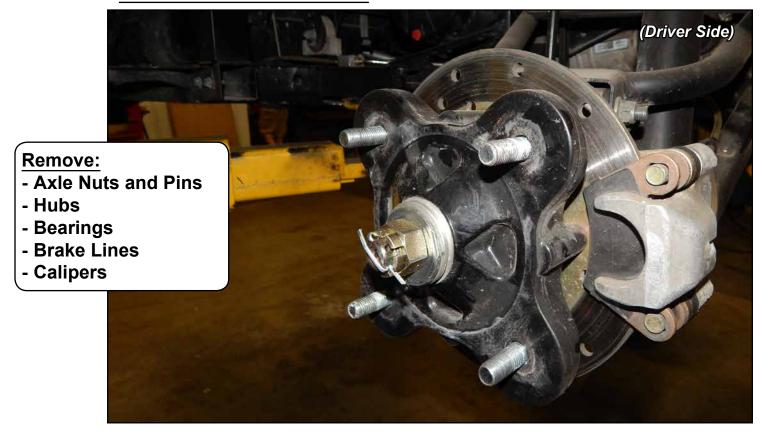
Front Components Removal: Keep all components removed from machine.

Remove:

- Axle Nuts and Pins
- Tie Rods from Knuckles
- Hubs
- Brake Lines
- Calipers
- Front Brake Scrapers



Rear Components Removal: Keep all components removed from machine.



IN-PGH8-1-34-301 6

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

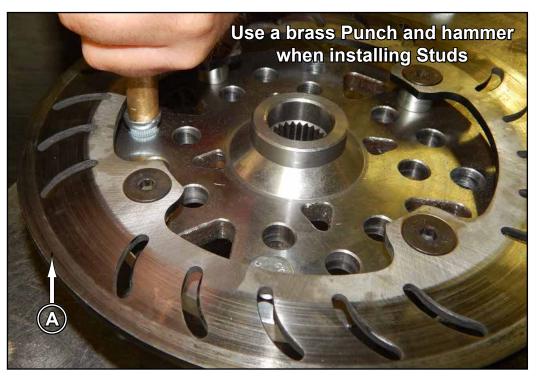
Install provided Studs into Rotors (A):

- See "Wheel Hub Bolt Patterns".

- Note machines bolt pattern and lug size.

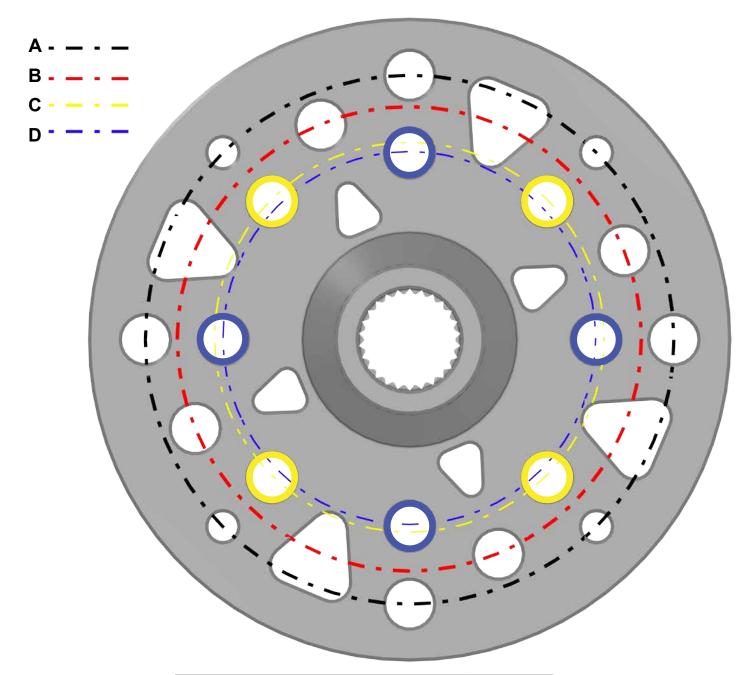
- Set Rotors (A) aside when complete.







Wheel Hub Bolt Patterns



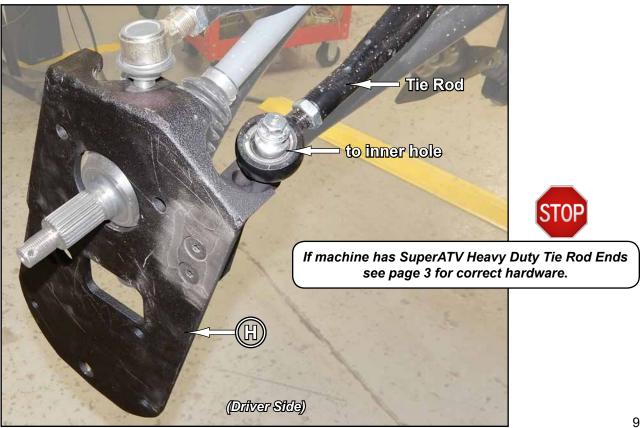
Pattern	Machine	Diameter
А	Polaris	156mm
В	Can-Am/Teryx4	137mm
С	Arctic Cat	115mm
D	Honda/Yamaha	110mm

Front: do not tighten hardware completely unless noted.

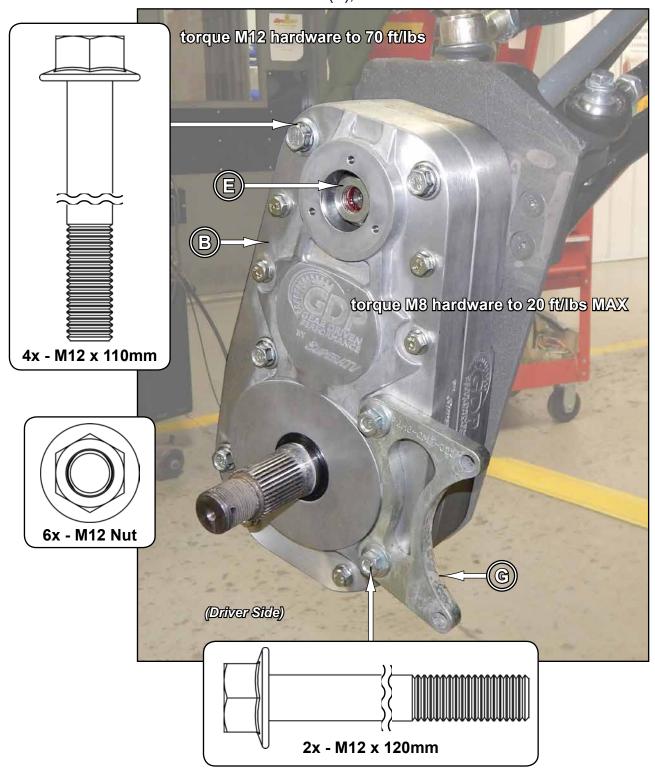
- Secure Left Spindle (H) to A-Arms with stock hardware.



- Secure Tie Rod to Left Spindle (H) with stock hardware.

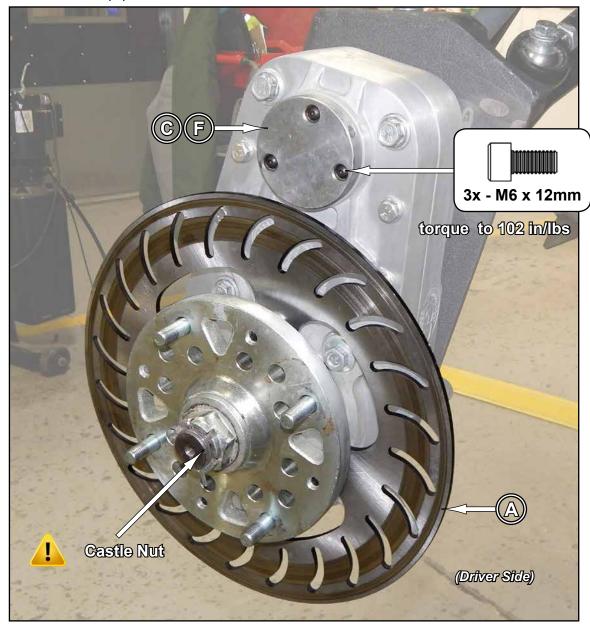


- Secure Gear Box (B) and Front Caliper Mounting Bracket (G) to Left Spindle (H) with hardware shown.
- Secure stock Axle with Front Recessed Nut (E); use thread locker.



Tighten all hardware completely.

- Secure Cap (C) and Gasket (F) to Gear Box (B) with hardware shown. Tighten hardware completely.
- Secure Rotor (A) to Gear Box Axle Shaft with hardware shown.



Castle Nut:

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

Tighten all hardware completely and repeat steps for opposite side.

IN-PGH8-1-34-301 11

- Reinstall stock Calipers to Front Caliper Mounting Brackets (G) with stock hardware. Torque bolts to 40 ft/lbs
- Front Brake Calipers must be switched: passenger side to driver side. Bleeders must face up.
- Install supplied Front Brake Lines.
- Ensure that no binding occurs after Brake Lines have been installed and secured.

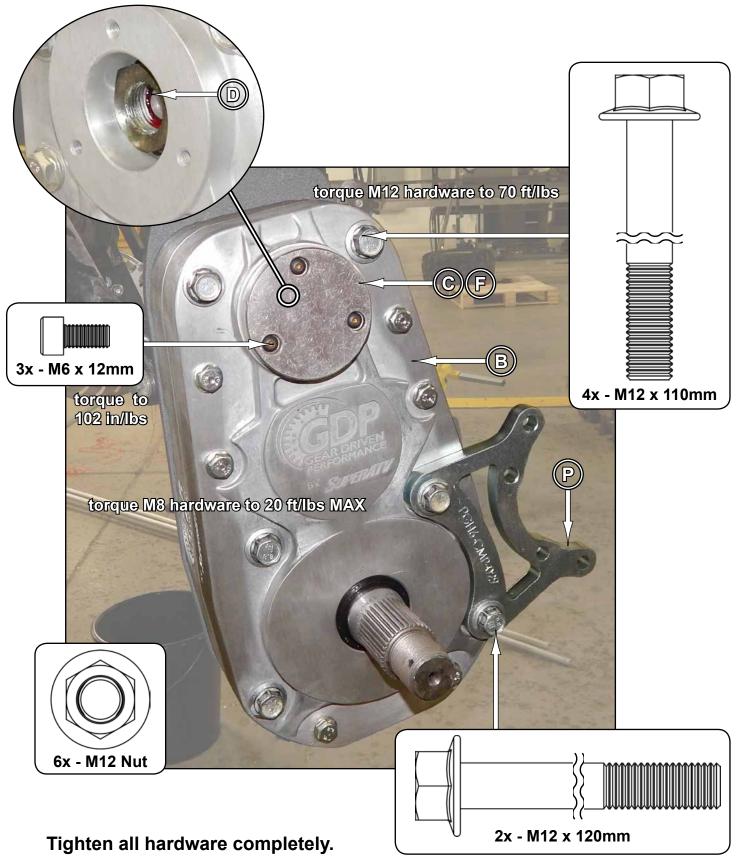


Rear: do not tighten hardware completely unless noted.

- Secure Left Bearing Carrier (K) to Rear A-Arms with stock hardware and components.



- Install Gear Box (B) and Rear Caliper Mounting Bracket (P) to Left Bearing Carrier (K) with hardware shown.
- Secure stock Axle with Rear Recessed Nut (D); use thread locker.
- Install Cap (C) and Gasket (F) to Gear Box (B) with hardware shown. Tighten hardware completely.



IN-PGH8-1-34-301 14

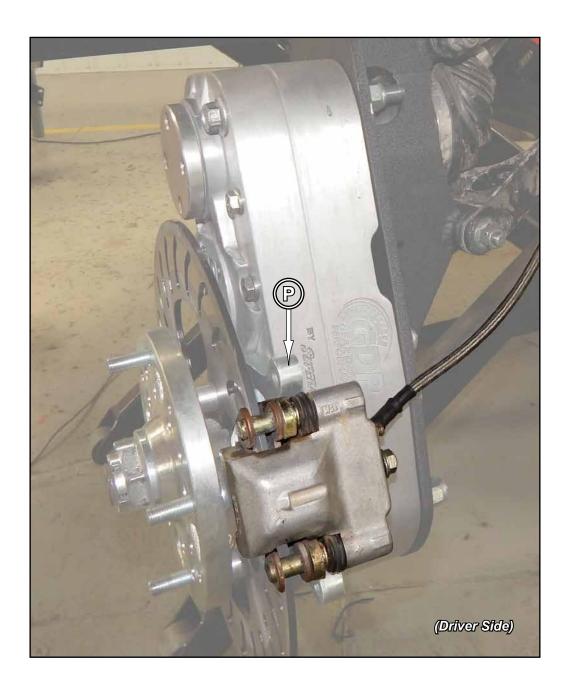
- Secure Rotor (A) to Gear Box (B) with hardware shown.



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

Tighten all hardware completely and repeat steps for opposite side.

- Reinstall Caliper to Rear Caliper Mounting Bracket (P) with stock hardware. Torque bolts to 40 ft/lbs.
- Repeat steps for opposite side.
- Install supplied Rear Brake Lines.
- Ensure that no binding occurs after Brake Lines have been installed and secured.



IN-PGH8-1-34-301 16

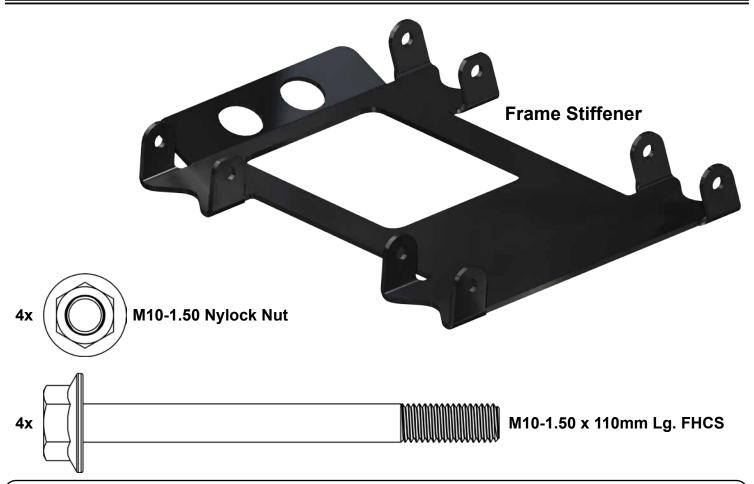
- Attach a hose to a funnel and fill each Gear Box with 80W-90 Gear Oil.
- Fill up to fill holes.





INSTALLATION INSTRUCTIONS

Frame Stiffener: For Polaris RZR® XP 1000



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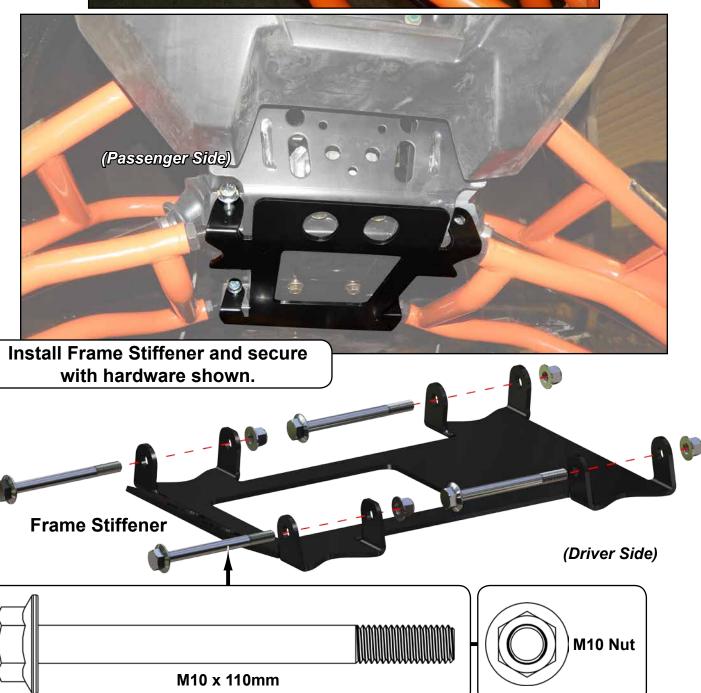
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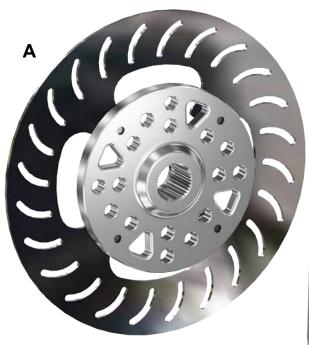




8" Portal Gear Hubs

for Polaris Ranger®

WHEN FILLING GEAR BOX USE ONLY 80W-90 GEAR OIL. USING GREASE WILL CAUSE FAILURE OF GEARS AND BEARINGS. USING GREASE WILL VOID THE WARRANTY.





Item	Description
Α	Rotor x 4
В	Gear Box x 4
С	Cap x 4
D	Rear Recessed Nut x 2
Е	Front Recessed Nut x 2
F	Gasket x 4



(Kit Contents continue on following pages)

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Although SuperATV® has thousands of satisfied customers, user should be aware that installing lift kits, long travel, or suspension kits, tires, etc. will change the ride of machine and may increase maintenance and part wear. Operating any off-road machine while, or after, consuming alcohol and/or drugs increases risk of bodily harm or death. No warranty or representation is made as to this product's ability to protect user from severe injury or death. SuperATV® urges operators and occupants to wear a helmet and appropriate riding gear at all times.

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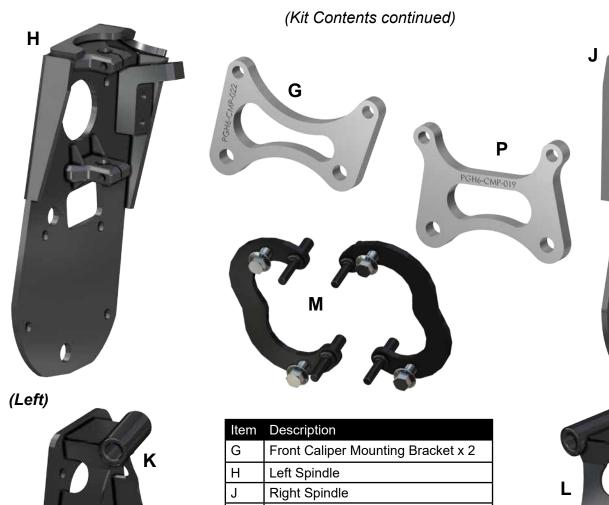


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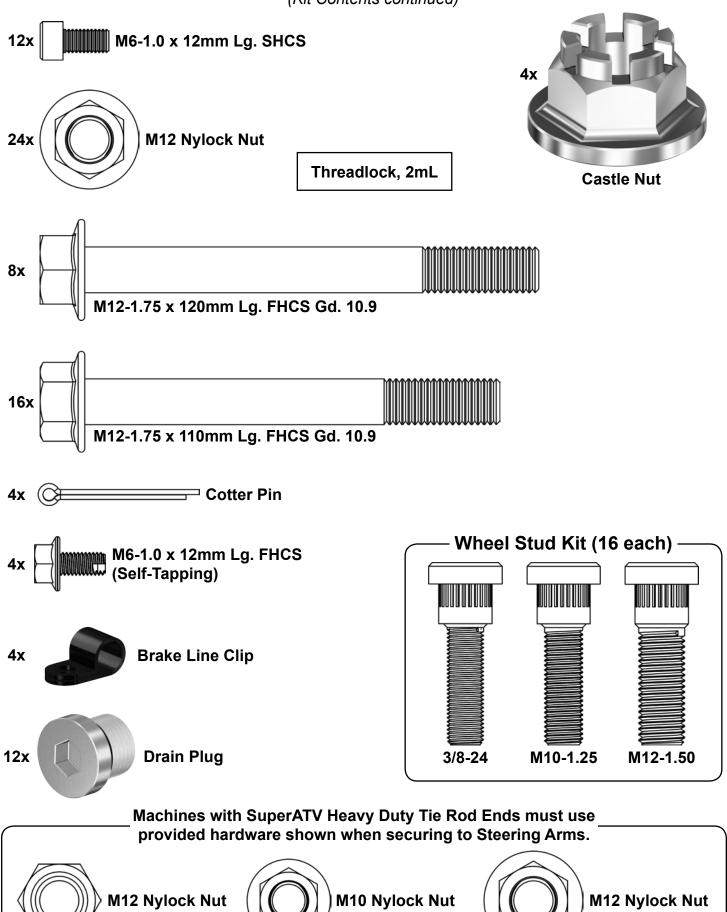
Item	Description
G	Front Caliper Mounting Bracket x 2
Н	Left Spindle
J	Right Spindle
K	Left Bearing Carrier
L	Right Bearing Carrier
М	Adapter Plate x 2
Р	Rear Caliper Mounting Bracket x 2

Location	Length (Approx)
Right Rear	65"
Left Rear	60"
Right Front	62"
Left Front	57"

Front Brake Lines have same style fittings at each end.



(Right)



(Qty. 2 each)

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.



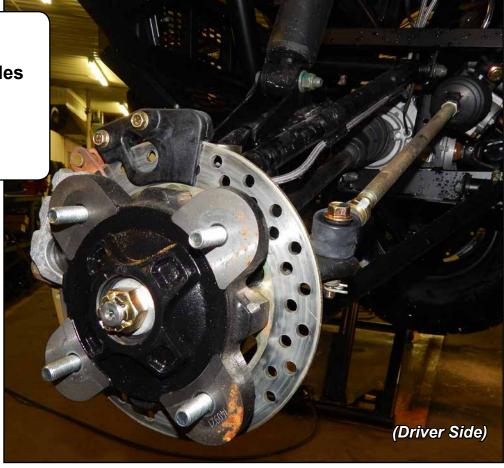
install into Drain on each Gear Box.

IN-PGH8-1-34-302 5

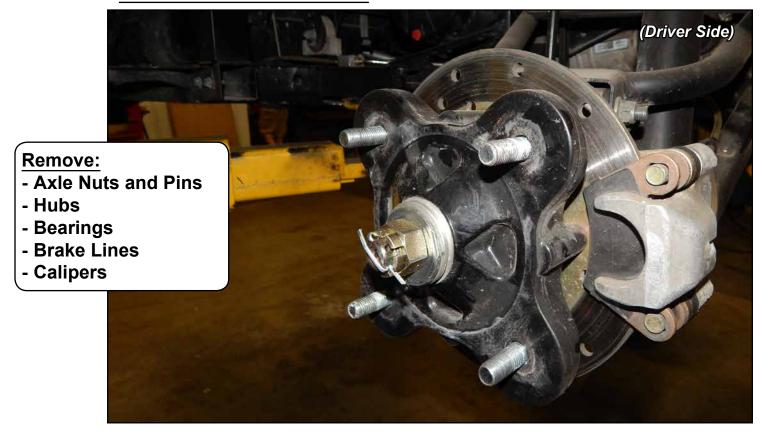
Front Components Removal: Keep all components removed from machine.

Remove:

- Axle Nuts and Pins
- Tie Rods from Knuckles
- Hubs
- Brake Lines
- Calipers
- Front Brake Scrapers



Rear Components Removal: Keep all components removed from machine.



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

Install provided Studs into Rotors (A):

- See "Wheel Hub Bolt Patterns".

- Note machines bolt pattern and lug size.

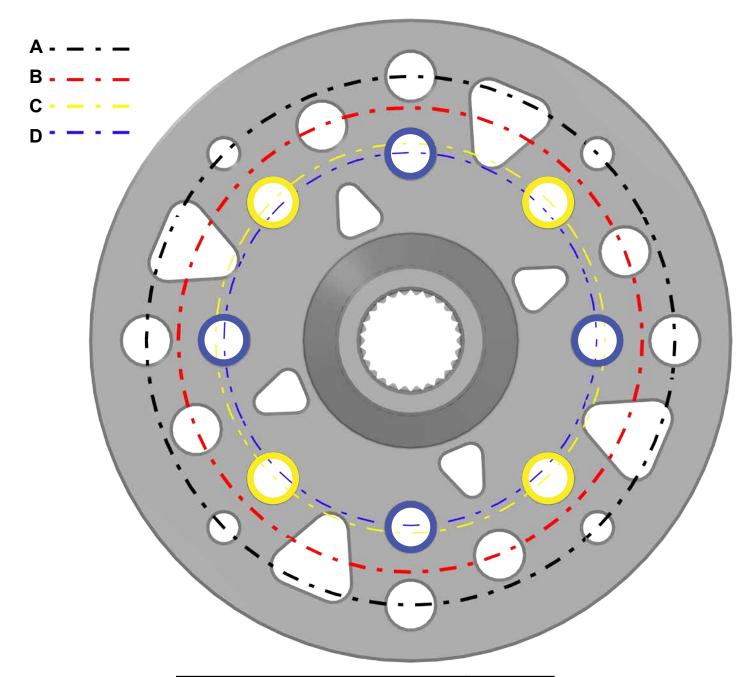
- Set Rotors (A) aside when complete.







Wheel Hub Bolt Patterns



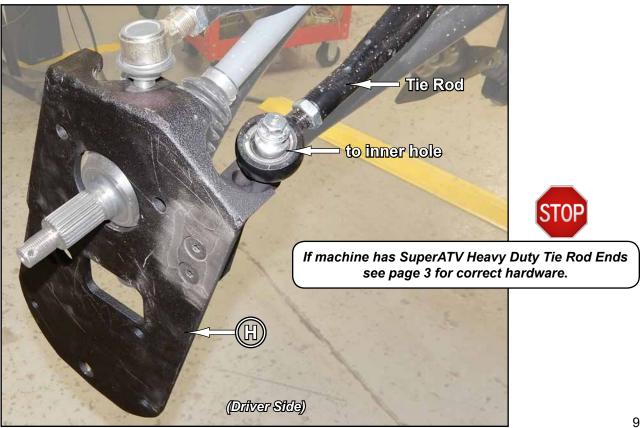
Pattern	Machine	Diameter
Α	Polaris	156mm
В	Can-Am/Teryx4	137mm
С	Arctic Cat	115mm
D	Honda/Yamaha	110mm

Front: do not tighten hardware completely unless noted.

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

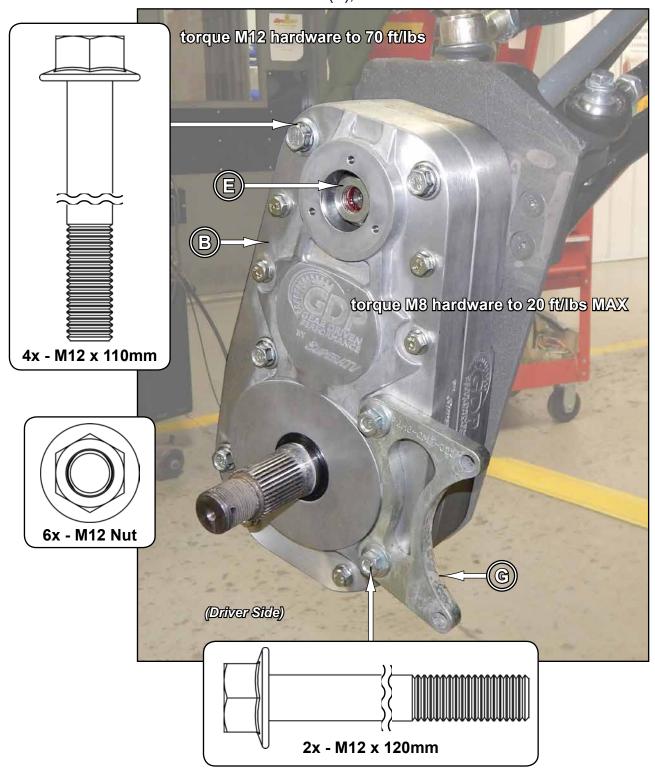


- Secure Tie Rod to Left Spindle (H) with stock hardware.



Front continued:

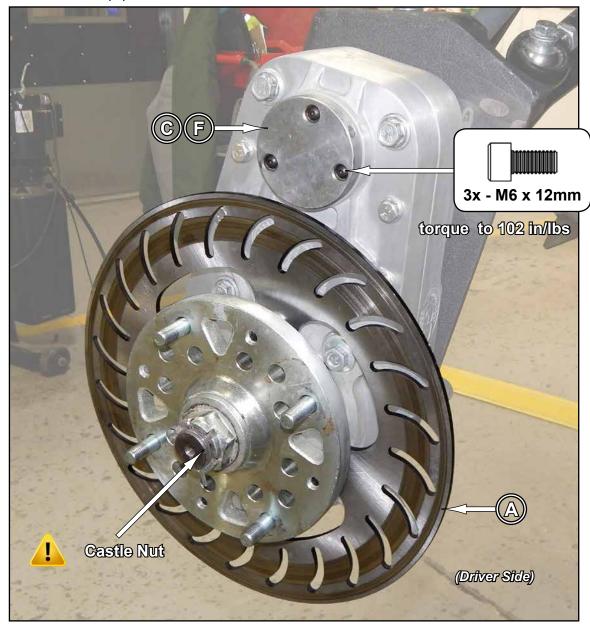
- Secure Gear Box (B) and Front Caliper Mounting Bracket (G) to Left Spindle (H) with hardware shown.
- Secure stock Axle with Front Recessed Nut (E); use thread locker.



Tighten all hardware completely.

Front continued:

- Secure Cap (C) and Gasket (F) to Gear Box (B) with hardware shown. Tighten hardware completely.
- Secure Rotor (A) to Gear Box Axle Shaft with hardware shown.



Castle Nut:

- 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:

- Reinstall stock Calipers to Front Caliper Mounting Brackets (G) with stock hardware. Torque bolts to 40 ft/lbs
- Front Brake Calipers must be switched: passenger side to driver side. Bleeders must face up.
- Install supplied Front Brake Lines.
- Ensure that no binding occurs after Brake Lines have been installed and secured.

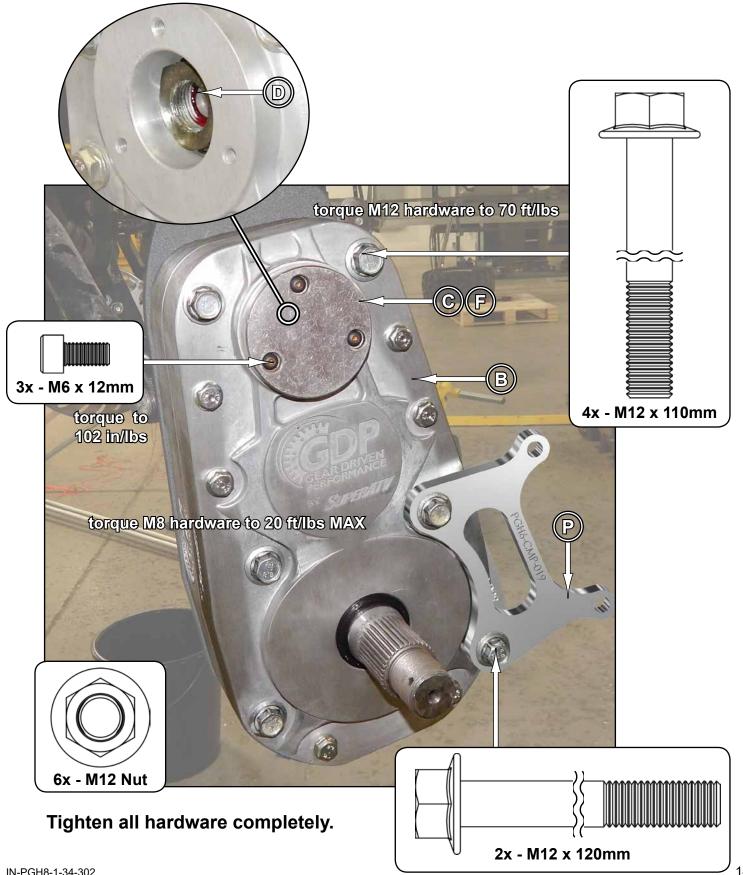


Rear: do not tighten hardware completely unless noted.

- Secure Left Bearing Carrier (K) to Rear A-Arms with stock hardware and components.



- Install Gear Box (B) and Rear Caliper Mounting Bracket (P) to Left Bearing Carrier (K) with hardware shown.
- Secure stock Axle with Rear Recessed Nut, Rear (D); use thread locker.
- Install Cap (C) and Gasket (F) to Gear Box (B) with hardware shown. Tighten hardware completely.



- Secure Rotor (A) to Gear Box (B) with hardware shown.

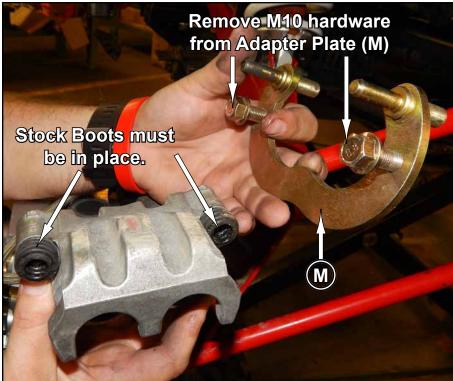


- Torque to minimum 300 Ft/Lbs.
- Continue tightening until Cotter Pin can be installed.

Tighten all hardware completely and repeat steps for opposite side.

Brake Caliper:









Repeat steps for opposite Brake Caliper.

- Install Adapter Plate (M) / Caliper assembly to Rear Caliper Mounting Bracket (P) with previously removed M10 hardware. Torque bolts to 40 ft/lbs.
- Repeat steps for opposite side.
- Install supplied Rear Brake Lines.
- Ensure that no binding occurs after Brake Lines have been installed and secured.



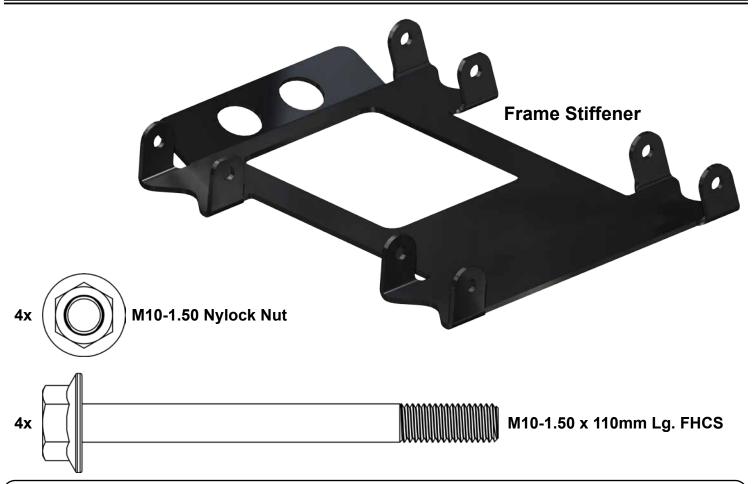
- Attach a hose to a funnel and fill each Gear Box with 80W-90 Gear Oil.
- Fill up to fill holes.





INSTALLATION INSTRUCTIONS

Frame Stiffener: For Polaris RZR® XP 1000



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