2753 Michigan Road · Madison, Indiana 47250
855-743-3427

INSTALLATION INSTRUCTIONS

For Polaris RZR XP, 2 and 4 Seater Machines

Two (2) Seater Machines Front & Rear Prop Shafts:	**PRP01-027F PRP01-027R**
Four (4) Seater Machines Front & Rear Prop Shafts:	**PRP01-028F-1 PRP01-027R**

- Please look through and read these instructions BEFORE starting so you understand what processes you'll be doing, and possible extra tools you may need.
- Do Not disgard product packaging until installation is complete and functioning properly.
- **For 4-Seater Prop Instructions, Ref Page 10.**

Two (2) Seater Front Prop Shaft Kit

Front Prop Shaft Assembly

M8x40 Hex Flanged (2pcs)

M6x16 Button Head (1pc)

Hoop Relocation Bracket (1pc)

Thread Locker
Can be used on Spline or Carrier Bearing Bolts or others is desired

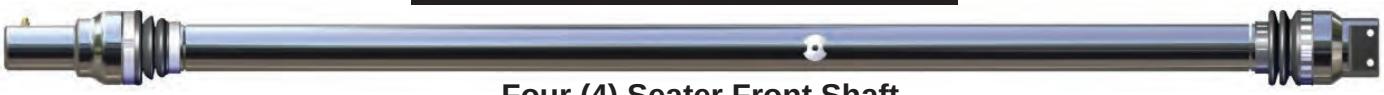
Retaining Compound (For Bearing)

M10x40 Hex Flanged

M10 Fender Washer

25OD-15ID Spacer

Four (4) Seater Front Prop Shaft Kit



Four (4) Seater Front Shaft

Thread Locker
Can be used on Spline or Carrier Bearing Bolts or others is desired

Retaining Compound (For Bearing)

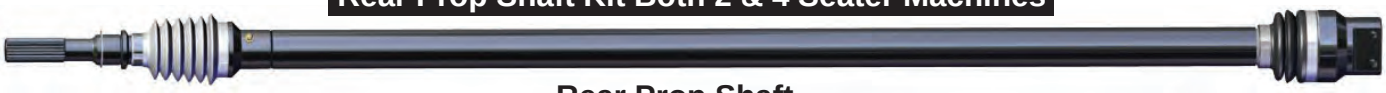
M10x40 Hex Flanged

M10 Fender Washer

25OD-15ID Spacer

M8x40 Hex Flanged (2pcs)

Rear Prop Shaft Kit Both 2 & 4 Seater Machines



Rear Prop Shaft Assembly

Prop Shaft Shield-1

Prop Shaft Shield-2

M8x20 Hex Flanged (2pcs)

M8 Nylock Nut (2pcs)

M8x40 Hex Flanged (2pcs)

Carrier Bearing Kit Both 2 & 4 Seater Machines

Bottom Half Brace

Carrier Bearing

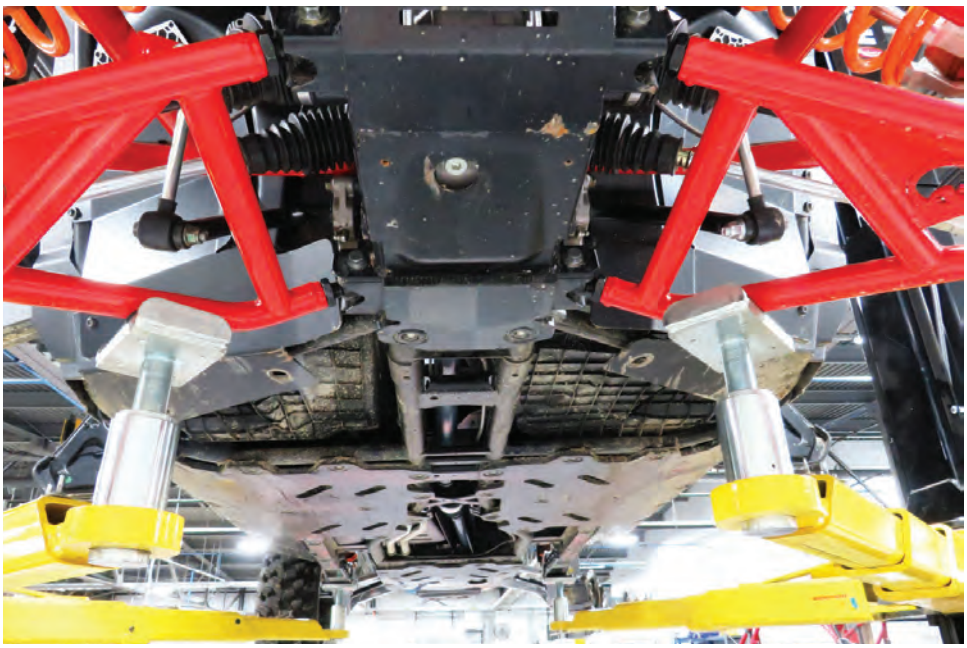
Top Half Brace

M6 Zerk Fitting

M8x25 Socket Head (4pcs)

Lock Collar (optional if No Clip Ring Available)

NOTE: Before starting the installation, you will need to raise the vehicle up off the ground and remove the Right Rear Wheel form the machine. Then remove the center skid plates from under the machine as shown in the illustration below. More details of this will be in the following steps.



Front Prop Shaft For 2-Seater Machines

NOTE: These instructions are for replacing BOTH Front and Rear Prop Shafts, removing the factory shafts and installing the new SATV kit. If you are only installing the Front or only the Rear shafts, you can still follow these instructions to guide you for the install.

Fig.1

1.First, you will need to remove the Front Seats from the vehicle as shown in **Fig.1**.

2.Next, you will need to remove the **Center Console**. To do that you first need to remove the **Gear Shift Knob**. Remove the knob by removing the screw up underneath the shift knob as shown in **Fig.2a** to remove the top cap. Then remove the shift post screw shown in **Fig.2b**, and remove the knob as shown in **Fig.2c**.

Fig.2a

Fig.2b

Fig.2c

3.Now you can remove the **Center Console** by removing the plastic Push Pins along the perimeter that attach it to the vehicle, then lift the console up and out as shown in **Fig.3a-b**.

Fig.3a

Fig.3b

4. Once the Console is removed, there is a small floor panel you will need to remove in order to get floor access to the **Front Prop Shaft**. See **Fig.4**.

Fig.4

5.Next, you will need to raise the vehicle on a lift or secure jackstands and remove the rear wheel on the Driver's Side. Then remove the skid plates from underneath as shown, to gain access to the shafts. See **Fig.5**.

6. Then there are two (2) carrier bearing bolts that need to be removed through the access hole from the top inside the cabin area from the small panel you just removed. There is one bolt on each side of the Carrier Bearing Assembly as shown in **Fig.6** and remove bearing bracket.

Fig.5

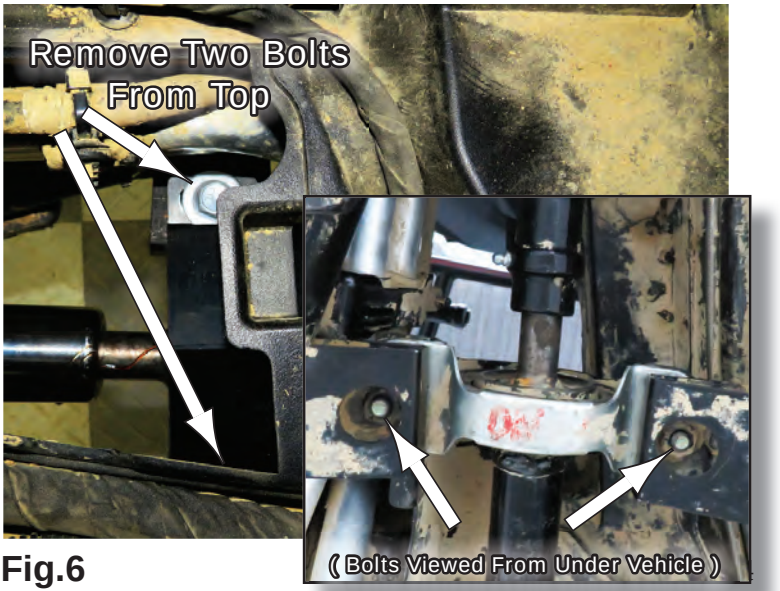


Fig.6

7.Now you will need to go under the vehicle where you can disconnect the front shaft by loosening the two (2) bolts at the front spline as shown in **Fig.7a**. Then do the same for the rear shaft. Loosen the two (2) bolts at the rear spline as shown in **Fig.7b**. This will get you ready for the removal of the Factory Prop shafts.

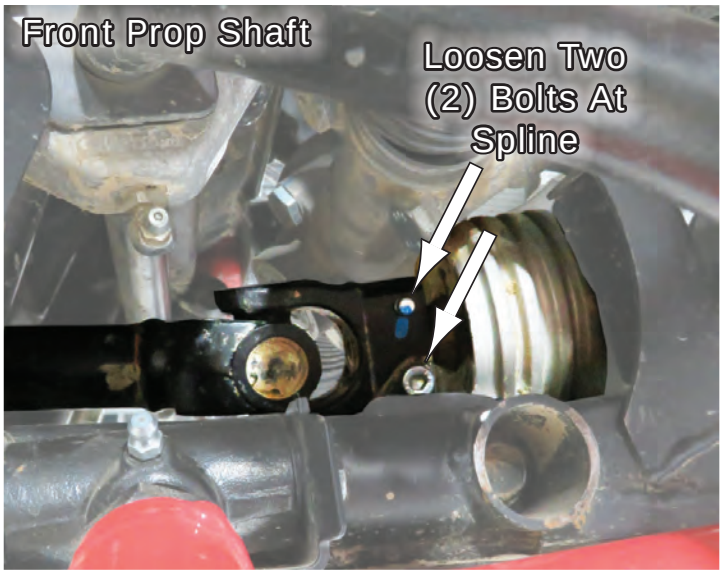


Fig.7a

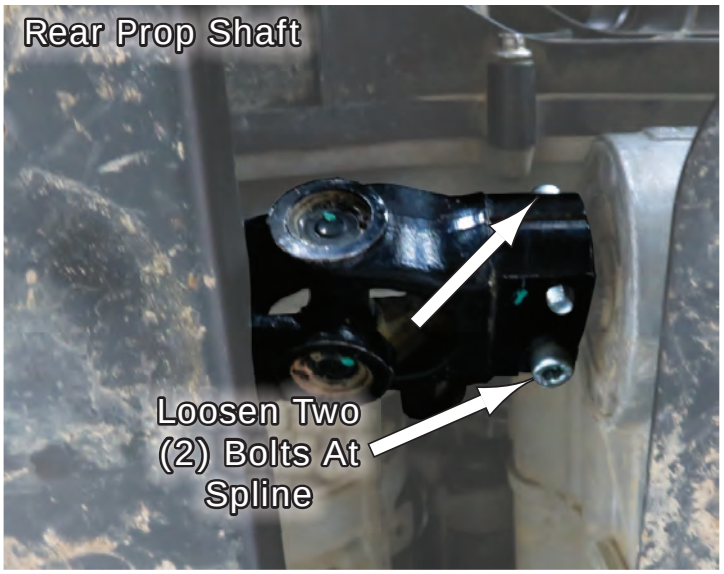


Fig.7b

8. After loosening the shaft bolts, now look for the **Alignment Hoop Wire** which is located just forward of the carrier bearing and you will remove the two (2) bolts holding it on as shown in **Fig.8a**, and then remove the **Hoop Wire** as shown in **Fig.8b**. **Fig.8c** shows location under the vehicle.

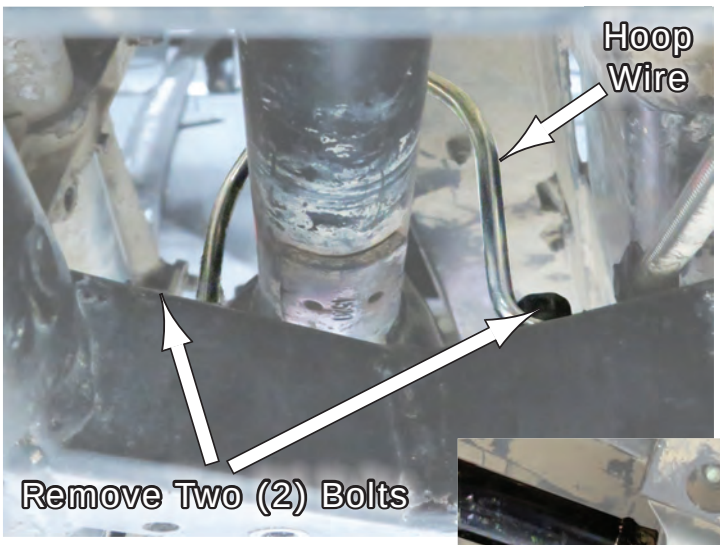


Fig.8a

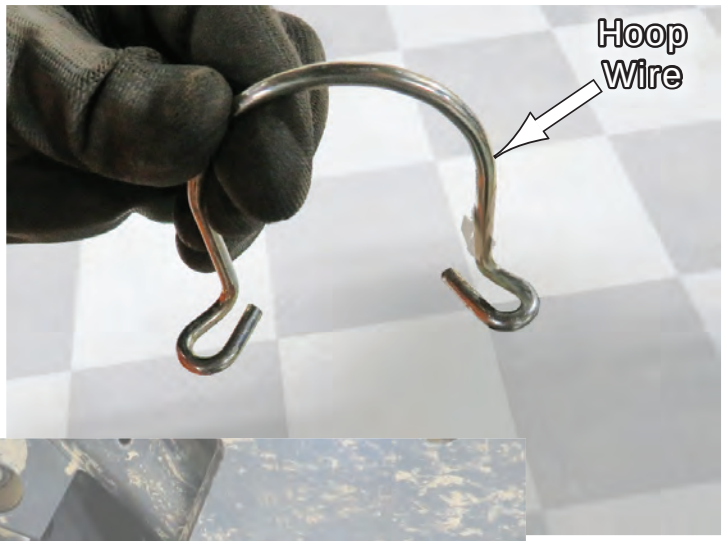


Fig.8b

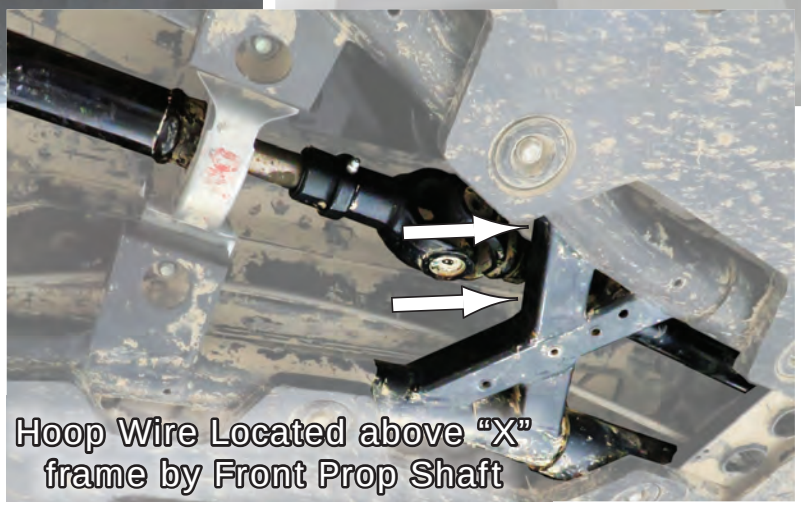


Fig.8c

NOTE:. Keep **Hoop Wire** and **Bolts** as you will be reusing them.

9.Now remove the **Front Prop Shaft** from the front spline and off the **Carrier Bearing**, and remove the Carrier Bearing from the **Rear Prop Shaft.** See **Fig.9.**

Fig.9

10. Now you can prep to remove the **Rear Prop Shaft**. The first thing is to remove the **Driver's Side Upper Radius Rod Bolt, Fig.10a**, and the just let the rod fall and sit there until reinstalling after the new Shafts are installed. See **Fig.10b**.

Fig.10a

Fig.10a

11. In order to get the **Rear Prop Shaft** out and the new one in, you will need to raise the engine a little to make some room for removal and to make life a little easier for you. To do this, you will need to remove the **Driver's Side Motor Mount** by removing the **Center Bolt** and the bolts on each side of it. **Fig.11** shows the location of it and the bolts to remove.

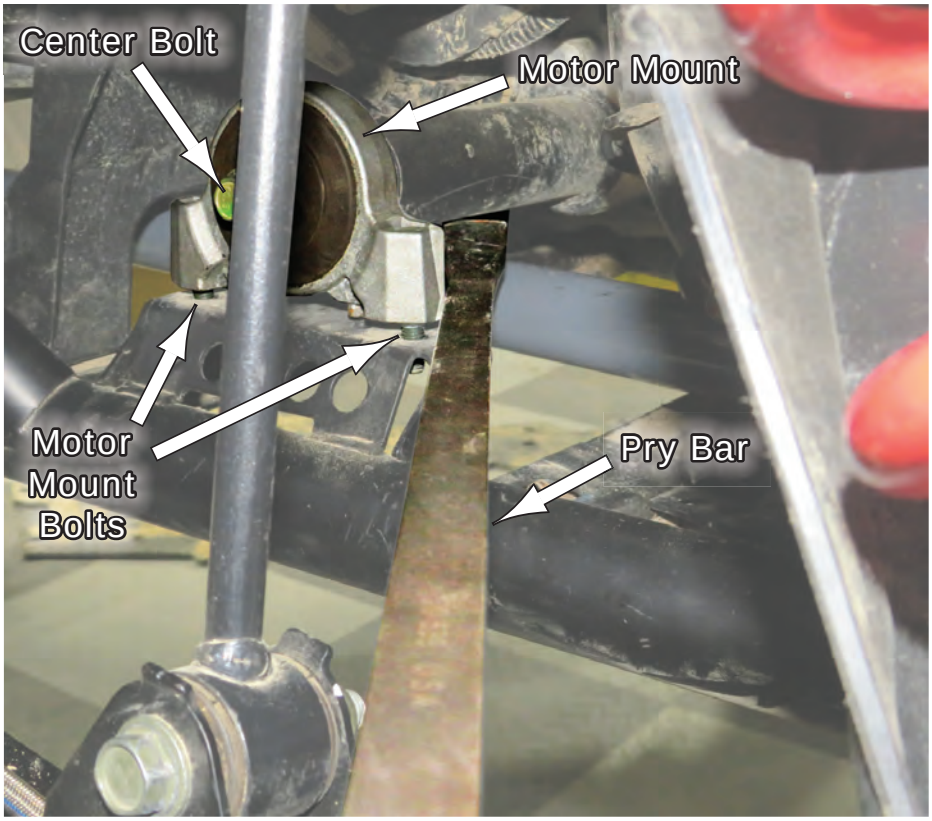


Fig.11

12. You will also need to pry up on the Axle with a large pry bar to remove the Motor Mount. See **Fig.12**.

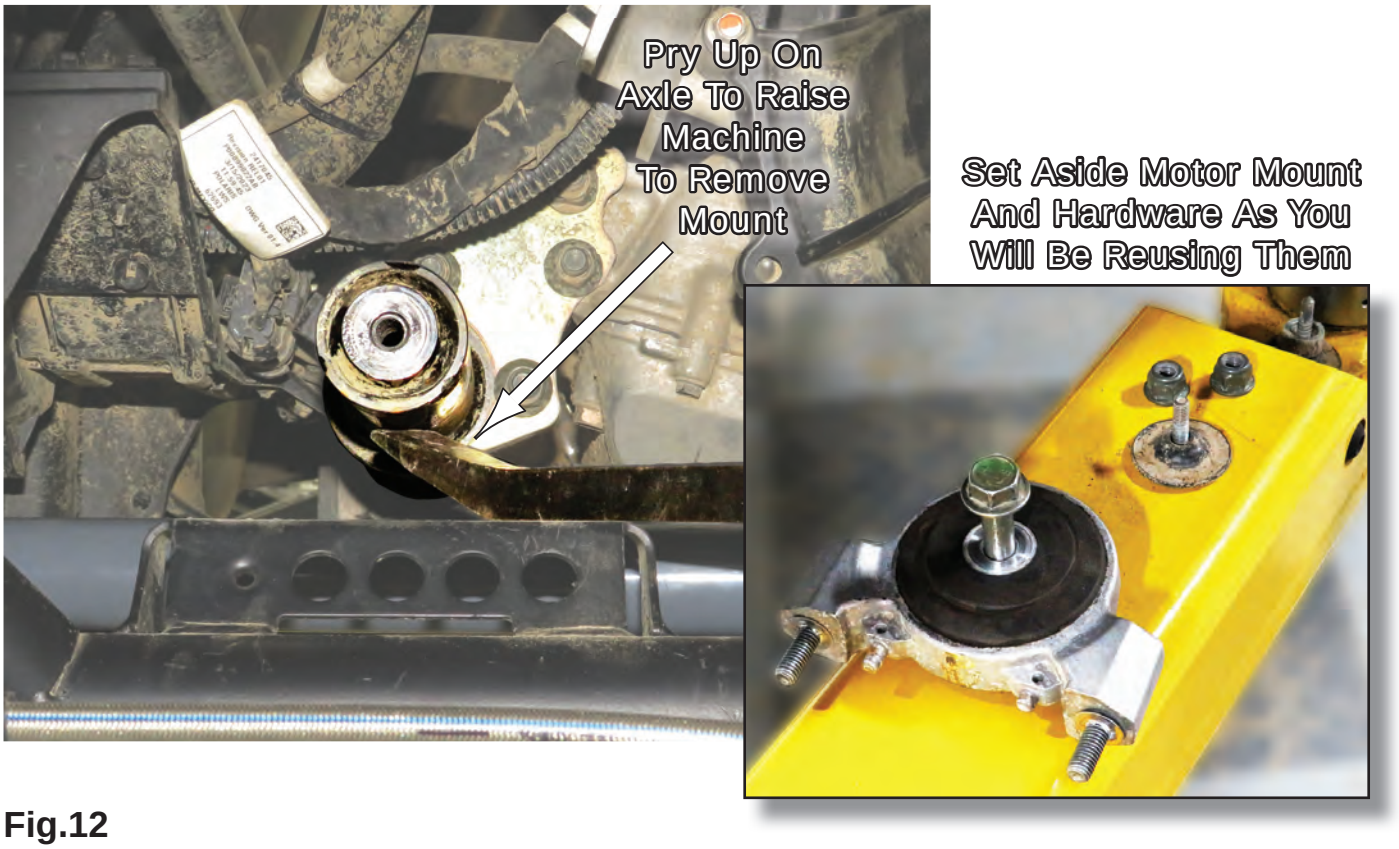


Fig.12

13.Next after propping the engine up, break the **Rear Prop Shaft** free from the spline pulling forward. Then remove it out from under the vehicle thru the space where you removed the motor mount as shown in **Fig.13a-b**.

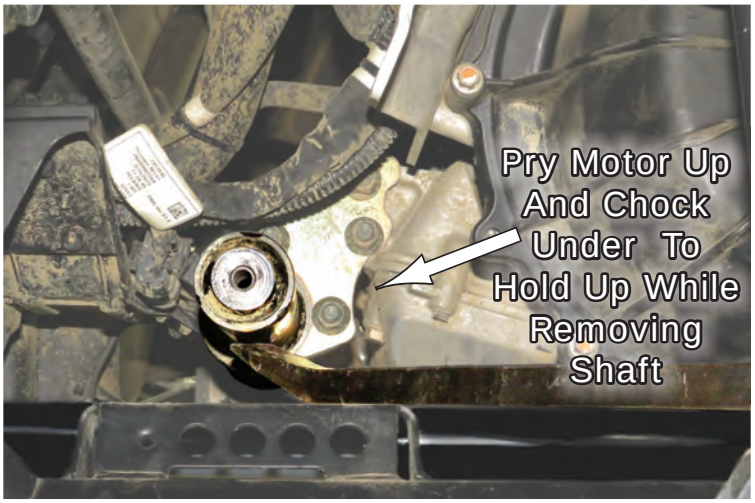


Fig.13a

Fig.13b

Installing The New Prop Shafts

14.Now you can start to install the new Prop Shafts into your machine. The first thing is to install the **Front Prop Shaft**. Slide it in and onto the front spline as shown in **Fig.14a-b** but do not tighten the spline bolts yet until both shafts are installed. You will need a little play to install them both. See **Fig.14a-b.**

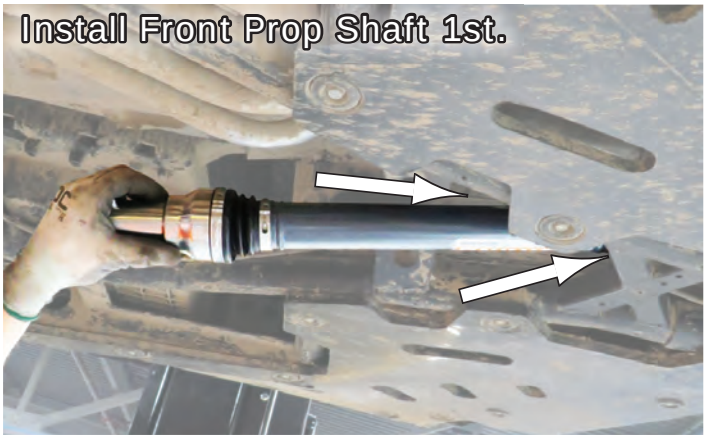


Fig.14a

Fig.14b

15.With the **Front Prop Shaft** resting on the cross frame, **Fig.15**, you will next be installing the **Center Carrier Bearing** and Brackets that are provided in your kit in the next steps.

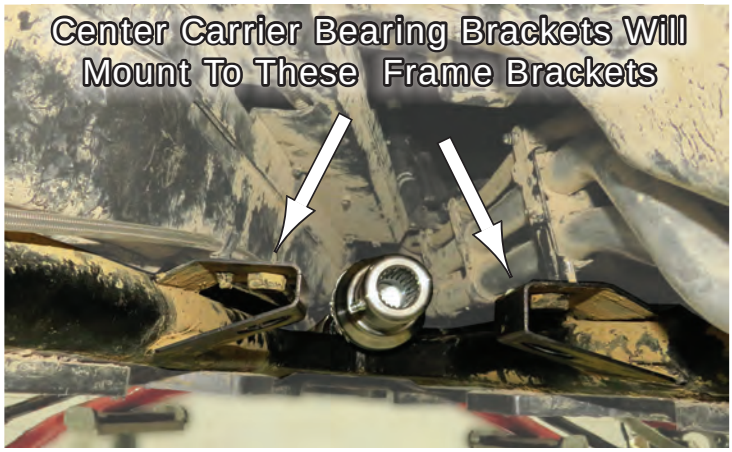


Fig.15

NOTE: The **Hoop Relocation Bracket** is used for the **2-Seater models ONLY**, and is **NOT USED** on the **4-Seater Models** with longer Front Prop Shafts.

16.After the Front Prop Shaft is in place, now we will install the factory **Alignment Hoop Wire** back on the machine but with the added **Hoop Relocation Bracket** and **M6x16 Button Head Screw** provided in your kit. **Fig.16b** shows how these parts all go together, and **Fig.16a** shows them installed to the Hoop Wire ready to be installed onto the machine with the Front Shaft. This bracket will raise the Hoop Wire due to your new shaft being larger and will align the shaft as well.

Fig.16a

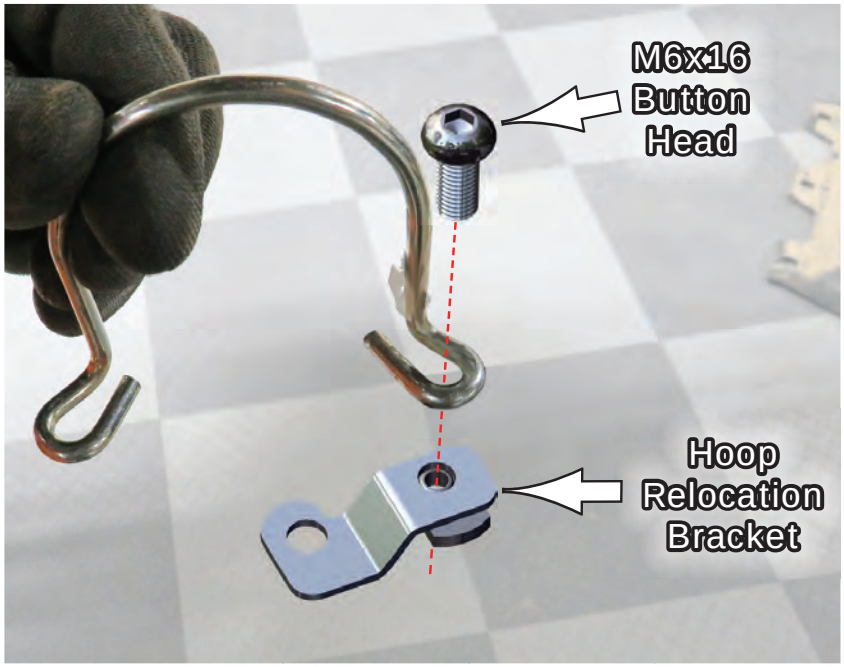


Fig.16b

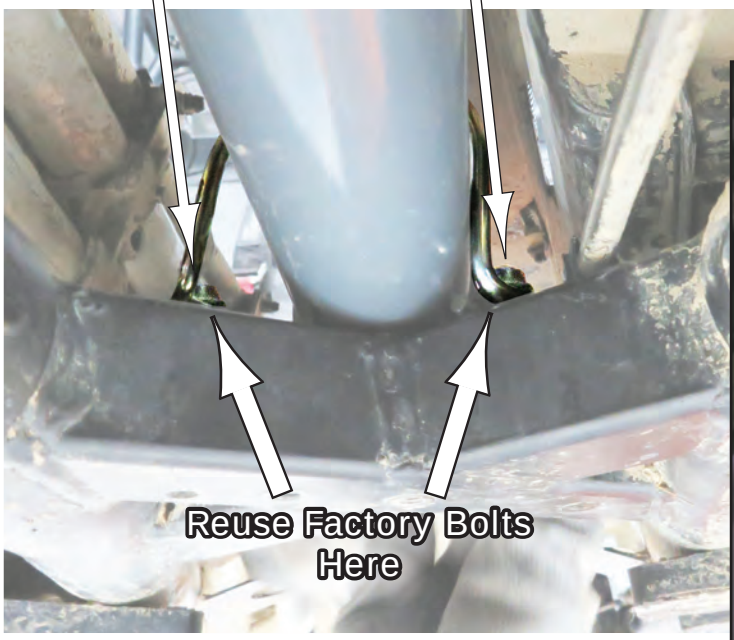


Fig.17a

Fig.17b

17.Now you can install the **Hoop Wire Assembly** onto the frame with the **Front Prop Shaft** as shown in **FIg.17a**. You will reuse your **Factory Bolts** that you removed previously when removing the factory Front Shaft. When installed, it should look like **Fig.17b**.

Removing / Installing The Front Prop Shaft For 4-Seater Machines

18.Removing the **Factory Front Shaft** is mostly the same as the 2-seater except a few things. You can reference the previous sections to help you with this. One difference is in the front seat area access to the Front Shaft bolts. So starting in the front, and after the center console has been removed, you'll notice there are **Two (2) Large Holes** on the floor under the console area. You can access the **Front Shaft Spline Bolts** from here, as well as from the under side from the front Passenger's side wheel well. There are **Two (2) Bolts**, one on each side of the shaft end. See **Fig.18a-b**.

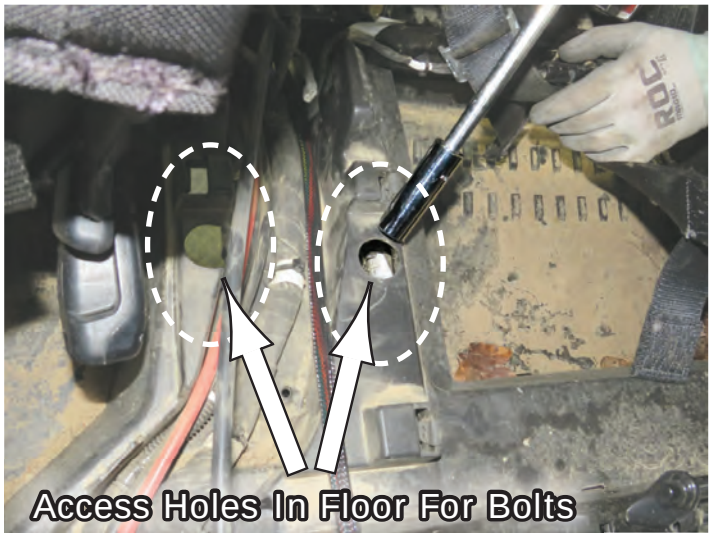


Fig.18a

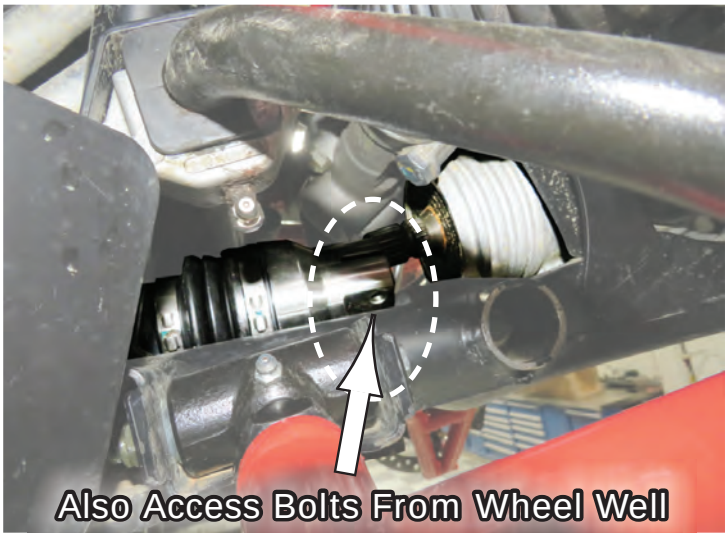


Fig.18b

19.Then **Remove Factory Shaft** per the previous instructions for 2-Seater machines. Then insert the **New Front Prop Shaft** and slide onto spline and tighten the Two (2) **M8x40 Hex Flanged** Spline Bolts. See **Fig.19a-b**.

Fig.19a

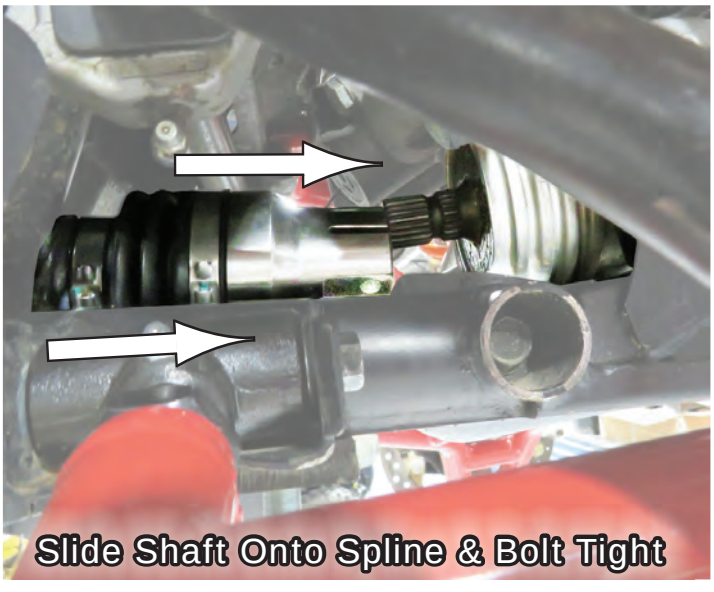


Fig.19b

20.Then install the **Hoop Wire** and bolts as shown in **Fig.20**. This is located directly above the center **"H" frame** in the center highlighted. For this **4-Seater Prop Shaft**, you will **NOT Need** the **Hoop Relocation Bracket** as used for the 2-seater versions. **Only** the **Hoop Wire** and **two screws** as shown below in **Fig.20**.

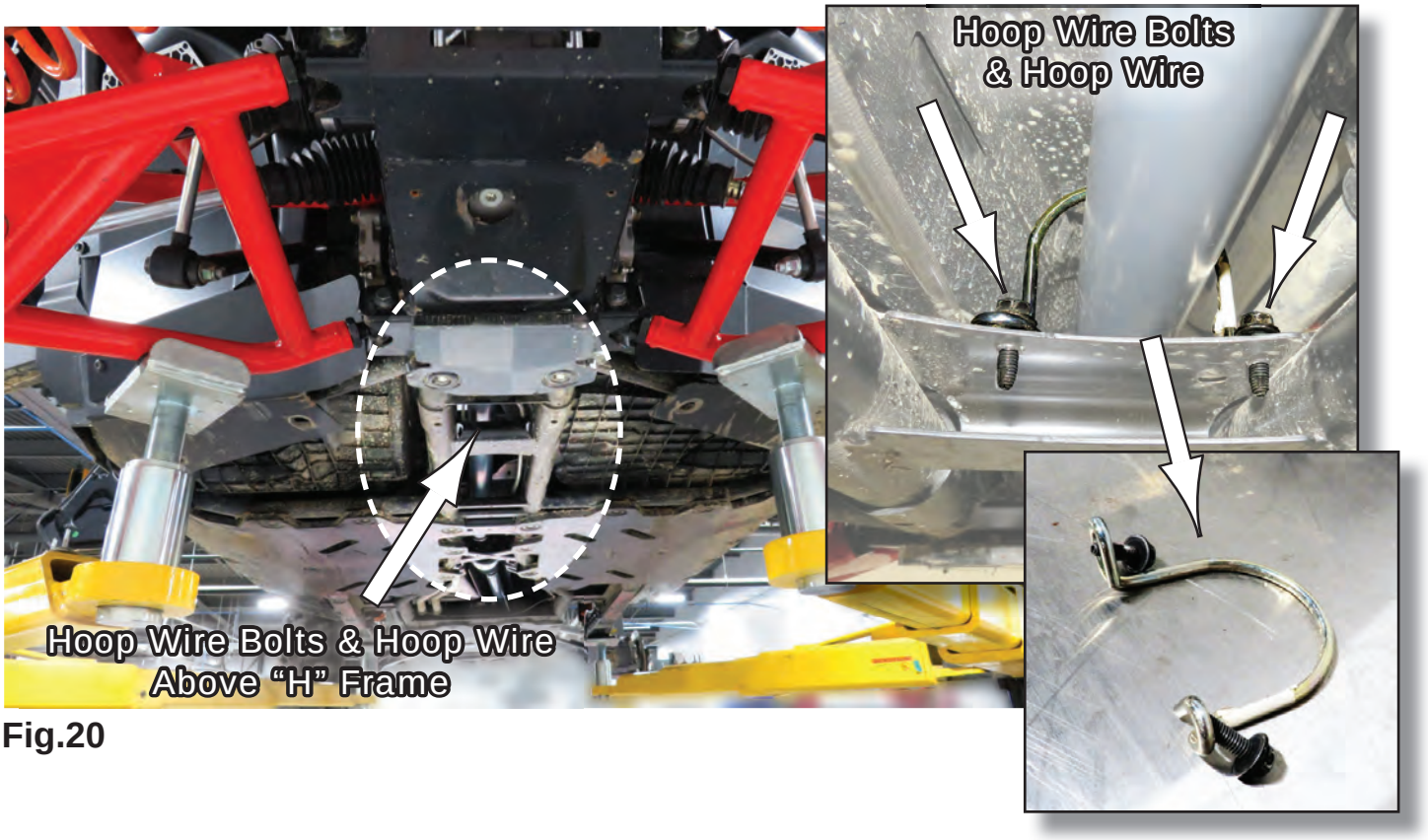
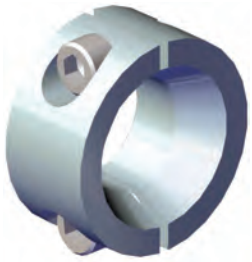


Fig.20

21.Next we'll be installing the **Rear Prop Shaft**. However, you will first need to install the **New Carrier Bearing** onto the shaft as shown in **Fig.21**. The bearing is part of the **Carrier Bearing Kit**. See **Fig.21**.

Fig.21

NOTE: ***Most Bearings will use a clip ring that retains the bearing in place. However, if your model does not have a clip ring, we have provided a Lock Collar in your kit to lock the bearing in place if needed.***



Retaining Compound can be applied to the shaft to hold Carrier Bearing firm on the shaft to keep it from spinning. Compound should be left to cure for 24hrs before use for best results!

22.You will insert the **Rear Prop Shaft** back in the same way you removed the factory one. You will need to pry the engine up and chock it up again as you did before also. **Fig.22a** shows installing your new shaft back in the same way. **Fig.22b** shows shaft going onto the spline.

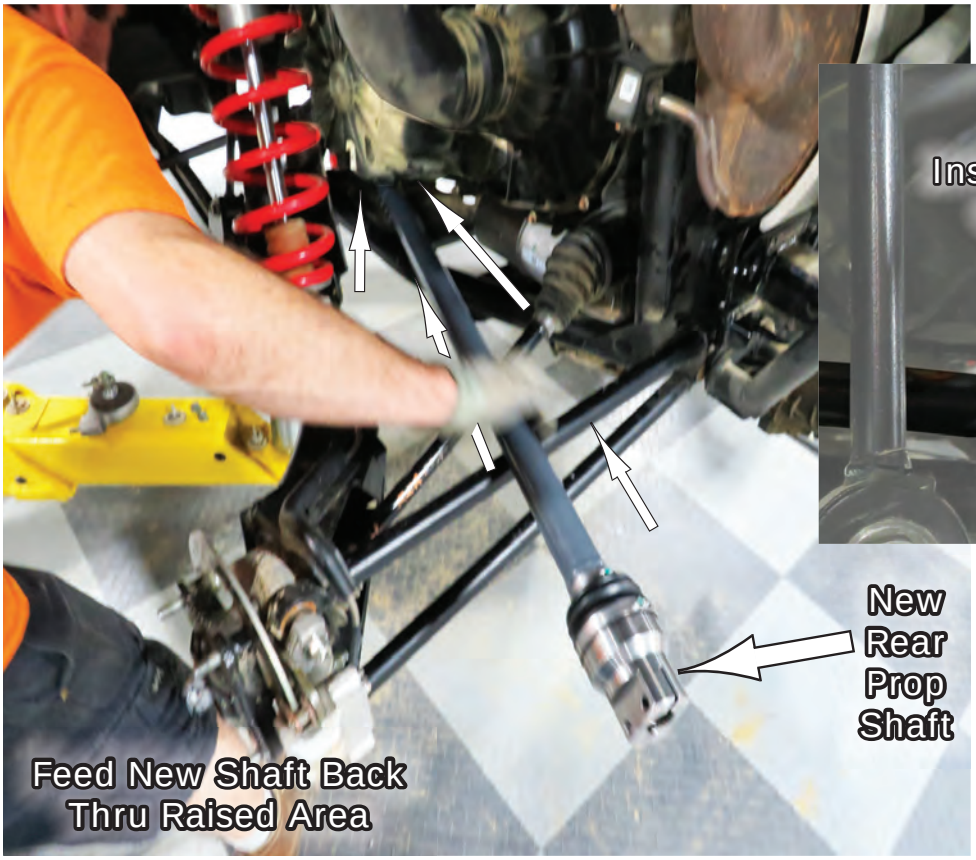


Fig.22a

Fig.22b

23.**Fig.23** shows the Rear Shaft slid back onto the spline in place, and also prying the engine up to gain access room for Rear Prop Shaft installation. See **Fig.23**.

Fig.23

24.After the **Rear Prop Shaft** is in place, now you can replace the **Motor Mount** you removed earlier to gain access to pull the shaft out. Use your pry bar to lift the engine up again and align the **Motor Mount** to install the center bolt and two (2) side bolts as shown in **Fig.24a-b** and secure.

Fig.24a

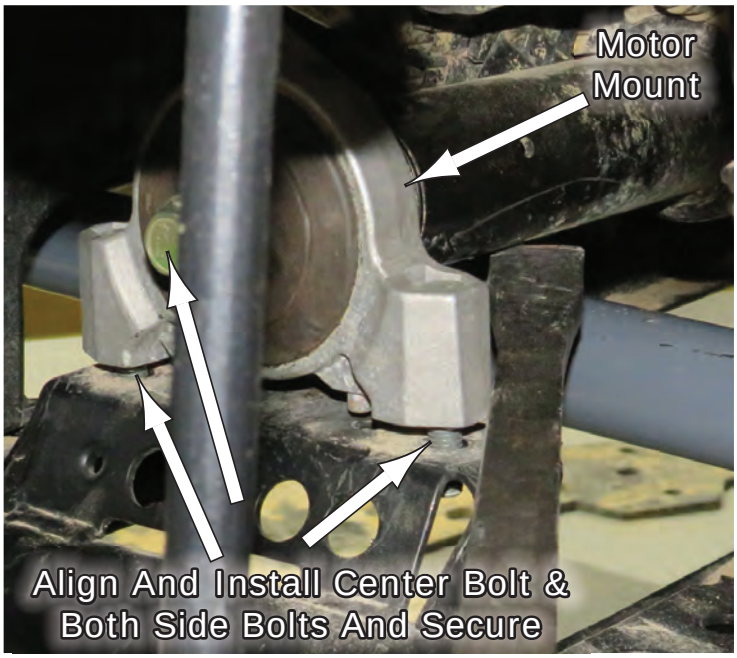


Fig.24b

25.After the motor mount is installed, you can now replace the Radius Arm Upper Bolt you removed previously. Reinstall and secure as shown in **Fig.25a-b**.

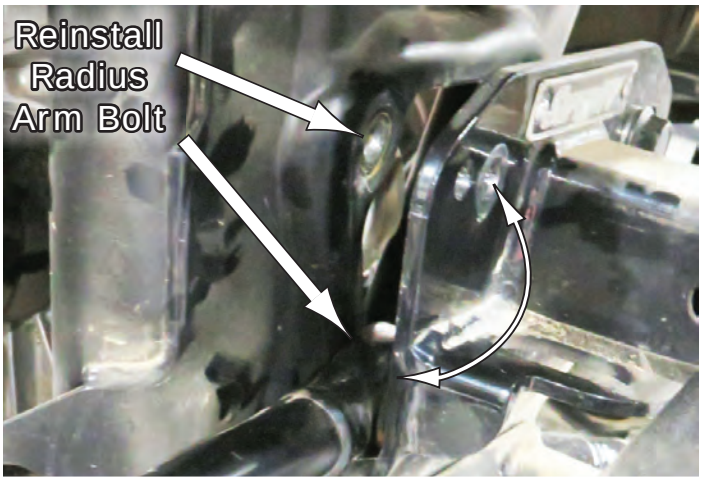


Fig.25a

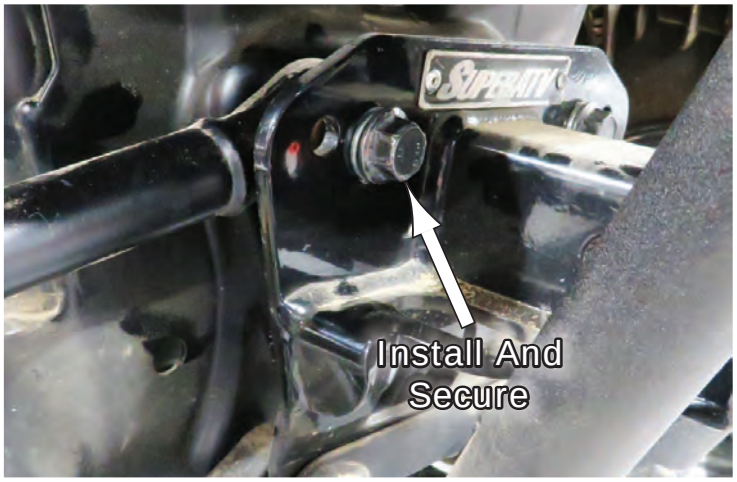


Fig.25b

26.With the **Center Carrier Bearing** installed on the Rear Prop Shaft and with both front and rear shafts in place, join the two shafts together by inserting the **Rear Prop Shaft** into the **Front Shaft** as shown in **Fig.26a** and also **Fig.28c**. Then raise the shafts up and lay the bottom half of the **Carrier Bearing Brace** underneath the bearing as shown in **Fig.26b-c**, seating the bearing into the groove of the bottom half. **Fig.26c** shows the bottom half in place under the bearing.

Next, you will need to insert the **25 O.D.x15 I.D. Spacers** provided in your kit between the Bottom Half of the bearing brace and the vehicle frame as shown in **Fig.26d**. One Spacer on each side of the Bottom Brace. Your mounting bolts will also go thru these spacers.

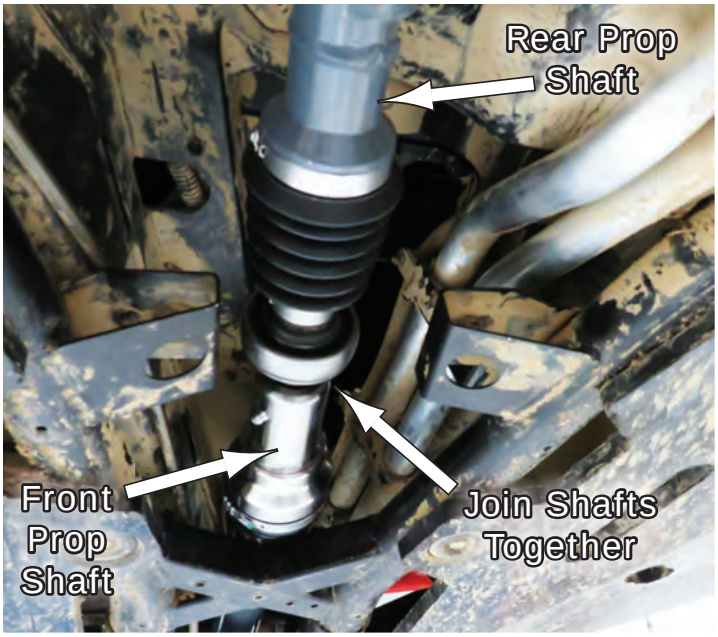


Fig.26a

Fig.26b

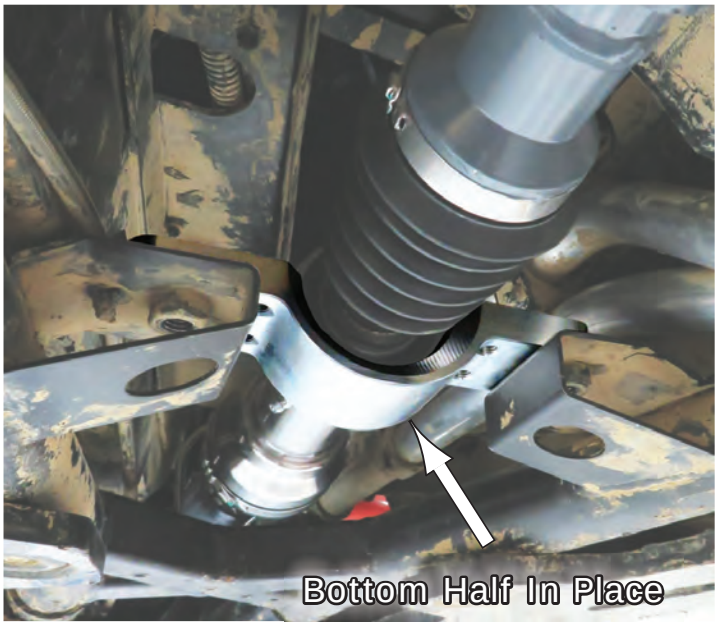


Fig.26c

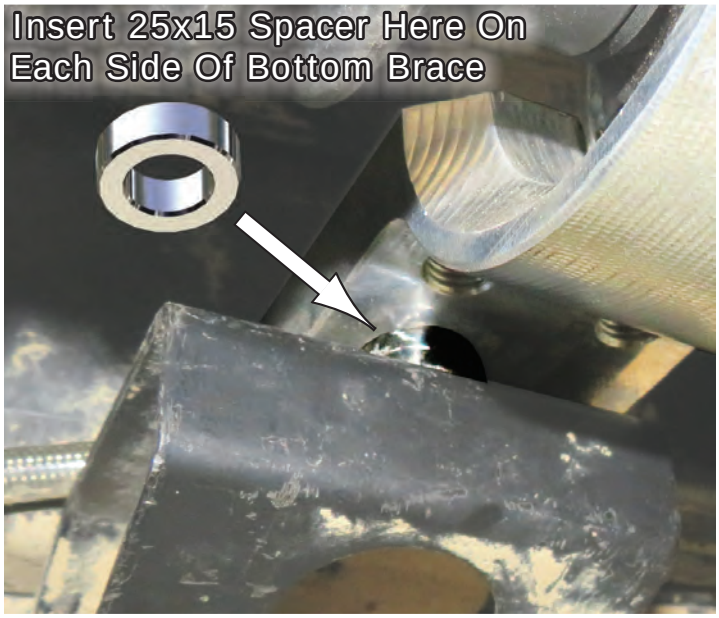


Fig.26d