

# Polaris RZR 900 XP

Installation: Center Mount: Dual Full System



## Please Read Carefully

Read all instructions before installation. Make sure the vehicle and exhaust system are completely cool & on level ground before installation. You should have some mechanical knowledge and a basic set of tools. (A lift, center or rear stand will help.) We advise that this installation be done by a qualified technician. If this is a street vehicle, you may need to modify or replace your stock license plate bracket and turn signals. Please consult your local dealer. Check your local laws to make sure you are in compliance. HMF is not responsible if you are not.

## Stock Removal

1. Remove the **Seats, Front engine cover, Front heat shield, and Rear bumper**
2. Use a long piece of electrical wire to remove the springs at the **Head Pipe-to-Muffler-Joint**.
3. Remove the bolts from the **head pipe** at the **cylinder head**.
4. Slide the **head pipe** forward through the passenger compartment to remove it.
5. Use a long piece of electrical wire to remove the springs from the bottom of the muffler.
6. Slide the muffler toward the passenger side to remove it.

## HMF Dual System Installation

1. Inspect the gaskets in the **cylinder head** for wear or damage and replace if necessary.
2. Install the supplied **heat shield** onto the **coolant hose** on the **passenger side** of the **engine**. (See Figure 1)
3. Install the **collector** onto the primary **head pipes**.
4. Using the original bolts, install the **primary head pipes** (with collector) onto the **cylinder head** over the supplied **torque cones**. Do not tighten the bolts yet.
5. Slide the **S bends** onto the **collector**.
6. Remove the nut from the **rear transmission mount** and position the muffler bracket onto the vehicle so that it mounts to the **rear transmission mount**. Use the supplied shoulder bolts, fender washers and nyloc nuts to mount the **muffler bracket** to the frame. Be sure to install a **fender washer** on each side of the **rubber grommets**.
7. Install the nut at the **rear transmission mount** and tighten the nuts and bolts on top of the **muffler bracket**.
8. Install the **bottom muffler** to the bracket **first**.
9. Install the **top muffler** to the **bracket**.

10. Install the **6 supplied springs** at the following locations.

- Primaries to collector
- Collector to S bends
- S bends to mufflers

11. Install the **rear bumper** and check all areas around exhaust system for clearance and alignment. Adjust as necessary. Tighten all hardware including head pipe bolts at **cylinder head** and **Oxygen sensor** or **Oxygen sensor plug**. Install the front heat shield, front engine cover, and seats.

**NOTE:** Check all mounting hardware after initial ride once engine and exhaust has cooled.

## Recommended Tuning Specs:

HMF recommends use of the **Dobeck Generation 4 AFR+** closed loop fuel system controller when using the HMF dual exhaust.



Figure 1

## Warranty Information

All HMF exhaust systems are covered by a limited warranty described on the enclosed warranty card. Mapping/Jetting and installation are the responsibility of the customer. HMF Performance exhausts are designed for closed-course competition use only.

## Having trouble? We can help.

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## Polaris RZR XP 900

Installation: Side Mount: Dual Full System



### Please Read Carefully

Read all instructions before installation. Make sure the vehicle and exhaust system are completely cool & on level ground before installation. You should have some mechanical knowledge and a basic set of tools. (A lift, center or rear stand will help.) We advise that this installation be done by a qualified technician. If this is a street vehicle, you may need to modify or replace your stock license plate bracket and turn signals. Please consult your local dealer. Check your local laws to make sure you are in compliance. HMF is not responsible if you are not.

### Stock Slip On Removal

1. Remove (4) **Torx head bolts** from the **Center Rear Plastic**. (See Fig 1)
2. Using a long piece of wire, remove the (4) springs holding the **Silencer** to the **Frame**, and the **Silencer** to the **Head Pipe**. (See Fig 2)
3. Pull back on the **Silencer** and slide it to the right to remove it from the vehicle. Be careful not to damage gasket.
4. Remove the seats and **Engine Access Panel**.
5. Remove (6) **Allen head bolts** from the **Head Pipe Flange** at the **Cylinder Head**. Slide the **Head Pipe** forward and out of the **Engine Compartment**, being careful not to lose the **Gaskets** from the **Exhaust Ports**.

### HMF Dual Full System Installation

1. Inspect the original gasket for wear. Replace if necessary.
2. Install the **HMF Head Pipe** and the original **Allen Head Bolts**. **DO NOT TIGHTEN**. It may be necessary to bend the **right side heat shield** slightly to clear the **head pipe**.
3. Remove the (4) **Sub-Frame-to-Frame Bolts**.
4. For the next few steps, wedge a small piece of 2"x4" wood between the frame and sub frame to aid in keeping the bolt holes lined up. (See Fig 3)
5. Slide the **Silencers** over the **Head Pipes**. Some pushing and twisting may be necessary. Use the supplied **bolts** and **fender washers** to attach the **Rear Silencer Mounting Tabs** to the **frame**. **DO NOT TIGHTEN**.
6. Using the supplied hardware, **including spacers (at the frame only)**, mount the **Front Silencer Hanger Brackets** to the outside of the frame, and the **Front Silencer Mounting Tabs**. **DO NOT TIGHTEN**. (See fig 3.)
7. Reposition and zip tie the wiring harness (See Fig 4)
8. Reposition and zip tie the following together: (See Fig 5)  
**1) Fuel vent hose 2) Oil Lines 3) Ground Cable 4) 12V hot cable**
9. Starting at the **Head Pipe Flange** and working toward the rear of the vehicle, tighten all mounting hardware.
10. Using a spring tool or long piece of electrical wire, (recommended) install the (2) supplied **short springs** between the **Head Pipes** and **Inlets**. (See Fig 6)
11. Inspect all areas around the exhaust system for proper alignment and clearance with plastics, hoses, etc. Adjust where necessary.
12. Replace the **Engine Access Panel**, **seats**, and **4 torx head bolts** at the rear plastic.

**Note: HMF will not be held responsible for damages caused by improper installation.**

**HMF strongly recommends use of the HMF Optimizer or other suitable tuning device to maintain proper air fuel ratios.**

**Failure to do so may result in damage to your vehicle.**

See Image figures on next page.

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Figure 1



Figure 2

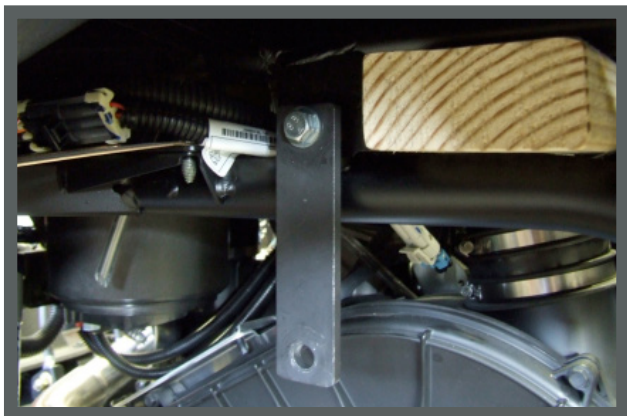


Figure 3



Figure 4



Figure 5



Figure 6

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# Polaris RZR XP 900

Installation: Swamp Series: Slip On System



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## Stock Slip On Removal

1. Remove (4) **Torx head bolts** from the **Center Rear Plastic**. (See Fig 1)
2. Using a long piece of wire, remove the (4) springs holding the **Silencer** to the **Frame**, and the **Silencer** to the **Head Pipe**. (See Fig 2)
3. Pull back on the **Silencer** and remove the **Gasket** from the **Head Pipe**, being careful not to damage gasket.  
**Note:** You will reuse this gasket with your HMF Silencer.
4. Slide the **Silencer** to the right to remove it from the vehicle.

## HMF Swamp/Swamp XL Slip On Installation

1. Inspect the original gasket for wear. Replace if necessary.
2. Using the supplied hardware, install the (2) **Hanger Brackets** to the **Front** of the **Frame** using the existing holes. (See fig 3)
3. Position your **HMF silencer** in place of the original. Use the supplied hardware to bolt the **Silencer** to the **Previously-Installed Mounting Brackets**.  
**DO NOT TIGHTEN**. Be sure to use the original or replacement gasket between the **Silencer** and **Head Pipe**.
4. Install the (2) **"Long Neck" Springs** (supplied) at the **Silencer-to-Head-Pipe-Joint**. (See fig 4)
5. Install the **Single Short Spring** (supplied) at the **lower left side** of the **Silencer**. (See Fig 5)
6. Center the **Silencer** and **Brackets**. Be sure the **lower bracket** is seated over the **bump** in the **frame**. Tighten all the hardware and replace the (4) **torx head bolts** at the **rear plastic**.
7. Inspect all the areas around the exhaust to ensure proper alignment and clearances.  
**Note:** HMF will not be held responsible for damage caused by incorrect installation.

See Image figures on next page.

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Figure 1



Figure 2



Figure 3



Figure 4

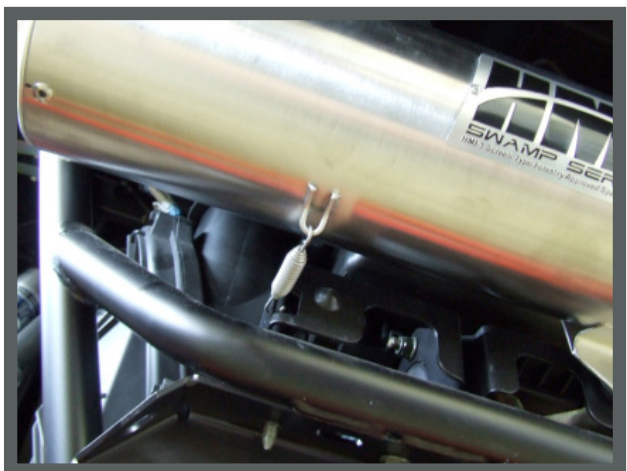


Figure 5



Figure 6

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