

# Building Pipes and Accessories for your Bikes

**V-866 – THOR - Victory 2 into 1 2005 – Present - Hammer/Jackpot**

**V-868 – THOR - Victory 2 into 1 2003-2005 - Vegas/Kingpin**

**V-870 – THOR - Victory 2 into 1 2006-Present - Vegas/Kingpin**

**ALL INSTRUCTIONS CAN BE FOUND ON OUR WEBSITE UNDER “DEALER INFORMATION”**

Thank you for purchasing this RPW USA product. We believe that our products are the very best available and are engineered to provide a lifetime of use. These pipes can be installed on Victory Hammer & Jackpot from 2005 to present and your Victory Vegas & Kingpin models from 2003 to present. Basic hand tools and a service manual applicable to your model of motorcycle are all that is necessary to complete the installation.

### V-866, V-868 , V-870 BILL OF MATERIALS

| QUANTITY | DESCRIPTION   |
|----------|---|
| 1        | Primary Pipe, Chrome  |
| 1        | Front Heat Shield, Chrome                                   |
| 1        | Rear Heat Shield, Chrome                                    |
| 1        | Collector Heat Shield                                       |
| 1        | Muffler   |
| 5        | Small Hose Clamps   |
| 1        | Large Hose Clamp  |
| 4        | Exhaust Clamp, Large-06-pre/Small 03-05/Large 05-Hammer     |
| 1        | TBC-250S T-Bolt Clamp                                       |
| 2        | 5/16" x 3/4" Fine Thread Bolts <b>**V-868/870 ONLY</b>      |
| 2        | 5/16" Flat Washer S/S <b>**1- V-866 ONLY</b>                |
| 1        | 4 1/2"x3/4" Muffler Bracket Insert <b>** V-868/870 ONLY</b> |
| 1        | 10mm x 90mm x 1.5 Metric Bolt                               |
| 1        | 3/8" Flat Washer S/S  |
| 2        | 5/16" Lock Washer <b>** 1- V-866</b>                        |
| 1        | 5/16" x 3/4 NC grade 5 cap screw <b>**V-866 ONLY</b>        |
| 1        | Frame Bracket   |
| 1        | Set of Instructions/Warning                                 |

Maintenance Tip: To keep you new RPW pipes looking their best, we recommend applying a high quality chrome polish to them every time you detail your motorcycle

Please Note: Pipes are not warranted against bluing and **UNDER NO CIRCUMSTANCE** will pipes be warranted after they have been run on an engine. See TUNING TIP in Step 8.



## THOR - VICTORY 2 into 1 EXHAUST SYSTEM

**Step 1.** Begin by removing the existing pipe from the motorcycle, and then inspect the exhaust gaskets. If they are worn or deteriorated, fit the engine with a new set. Next, remove the rearmost bolt attaching the foot control bracket and loosen the front one but do not remove it. Rotate the control forward as shown. This will provide the necessary clearance to install the 2 into 1 primary pipe. Completely un-mount oil cooler on 08-up models. You can leave oil lines in place.



**Step 2.** Installation of the 2 into 1 pipe requires the lower frame rail to be cut off as shown. Save portion that you have cut off. De-burr the frame rail with a file or burr knife to leave a smooth edge and cover any bare metal with touchup paint to prevent rust and plug hole with plastic plug, available at any hardware store. Offer the primary pipe into place on the engine. Note that the right side electrical control cover has been removed from the frame to allow the pipe to slip into place.



**Step 3.** It may be necessary to pull on the RPW front pipe to flex enough to clear the fins on the head. You may also tap on head pipe with rubber mallet before installation to spread header a tiny bit, (This process should ease in installation). Starting with the front head pipe, ease this section of the pipe past the fins and keep low on the motor section so the rear pipe will have room to pass by the back section of the fins. Once rear pipe is past fins, finesse rear pipe into rear head port and then maneuver front head pipe into front head port. NOTE: Heat shields must be in place for installation of the primary pipes (See step 6)



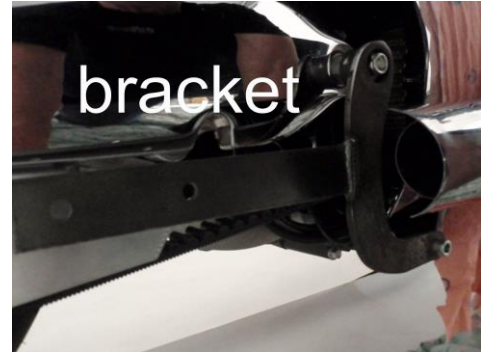
**Step 4.** After head pipes are in place, using the split head clamps as shown, install on the engine one half at a time. Snugly fit all exhaust flange nuts, but do not tighten them completely.





## THOR - VICTORY 2 into 1 EXHAUST SYSTEM

**Step 5.** On 06 and up motorcycles, remove the swing arm pivot shaft nut. Remove lower frame rail bolt. Slip threaded bracket included in this kit into the channel on the back side of the muffler. Take frame bracket and mount muffler to frame bracket with 5/16" bolts included in kit. Secure 5/16" bolts only finger tight to allow for movement of muffler on frame bracket.



**Step 6.** Next, slip muffler carefully onto header, slowly positioning bracket at same time over mounting studs. Put nuts on pivot shaft making sure that 3/8" washer is on inside of frame bracket. Use large hex head bolts supplied in kit, to frame on bottom of frame bracket. Now you may start tightening all nuts and bolts evenly to secure exhaust pipes to motorcycle.

**Step 7.** To install collector heat shield, slip the supplied hose clamps through the hoops welded onto the backsides of each shield. Install the heat shield on the pipes and tighten all hose clamps evenly, aligning the shields to assure proper fitment of heat shields.



**Step 8.** Tighten band clamp at muffler to header connection. Tighten head clamps on headers.

**Step 9.** Prior to starting the engine, clean your pipes (SEE DIRECTIONS BELOW). Start your engine and check for exhaust leaks. You are now ready to enjoy your RPW USA exhaust pipes. Installation of this exhaust will require the use of the Adjustable Fuel Tuner. See your Victory dealer for details. **TUNING TIP.** To help prevent bluing, the engine should be properly tuned before running it with the new exhaust.

**OWNER & DEALER CARE INSTRUCTIONS:** After Header Installation and Before Engine Run - Remove grease and/or skin oils from the tube surface. Stains & fingerprints will show when header gets hot.

### **CARE INSTRUCTIONS:**

- Chrome: Wipe down tubes with rubbing alcohol and a soft cloth, dry thoroughly.
- Ceramic Coated / Polished Ceramic Coated Headers: Wipe the tubes down with a mild soap, warm water and a soft cloth, rinse & dry thoroughly.
- **WARNING:** Do not wash your exhaust when warm or hot.