

**REBUILD MANUAL**

**FOR**

**2.625 PRODIGY SHOCKS**

**JUNE 2016 EDITION**

## TOOLS NEEDED

- **11/16<sup>th</sup> wrench**
- **FT LBS torque wrench**
- **3/8 ratchet with 3/4" socket**
- **1/4" ratchet with 9mm socket**
- **90 degree small pick**
- **blue lok tite**
- **Thread sealant**
- **Prodigy 2.0 shock tool**

## Disassembly

**1) PUT ON SAFETY GLASSES!**

**2) Remove Schrader valve cap and bleed all nitrogen out of shock.**

NOTE: oil can come out of Schrader, so place rag over valve when bleeding.

**3) Remove complete Schrader valve**

**4) Compress shock**

NOTE: Oil may shoot out of Schrader hole if compressed to fast.

**5) Remove top cap**

NOTE: Sometimes these can be hard to remove. Compress shock in a vice around the top cap to break sealant.

**6) Dump out oil ontop of valve circuit.**

**7)** Clamping shaft bottom cap in a vice, remove 7/8 X 14 nylok nut.

**8)** Pull shaft out of circuit.

**9)** Using a small pick, remove valve shims and circuit.  
NOTE: KEEP SHIMS IN ORDER AS THIS IS WHAT CONTROLS YOUR SHOCK MOVEMENT.

**10)** Dump oil.

**11)** Remove shock shaft from shock assembly.

**12)** Flip shock over and remove bottom cap seal assembly.

- 13)** Clean and inspect all shock parts and replace o-rings as needed. Keep in mind that a ripped or torn o-ring is a bad o-ring.

## **Assembly**

- 1)** Apply white thread sealant to bottom seal assembly threads. Also lubricate bearings and internal/external o rings with shock oil at this time.
- 2)** install seal assembly into bottom of shock body.
- 3)** Lubricate shock shaft and install into seal assembly until shock is bottomed out in body.
- 4)** Turn shock over and mount shock bottom in vise.

- 5)** Slide internal bump over shaft.
- 6)** Put one thick washer on shock shaft.
- 7)** Fill shock with oil up until top of washer.
- 8)** Install Rebound shims.  
NOTE: Larger shims go to the valve circuit.
- 9)** Install valve circuit, wear band, and tolerance ring. PLEASE NOTE VALVE CIRCUIT WITH CIRCLES GO UP. Also wear band and tolerance ring ends must be 180 degrees from one another.
- 10)** Install compression valving with last thick washer.
- 11)** Put on 7/8 X 14 nylok nut and torque to ? FT. LBS.
- 12)** Fill oil ¼" from top of shock body
- 13)** Lube up top cap O-Ring and apply blue lok tite to threads.
- 14)** Place blue lok tite on Schrader valve threads and install.  
DO NOT OVER TIGHTEN.

**15)** Fill shock up with 120 PSI of nitrogen.

Please note that the shock shaft should come out on its own after a proper rebuild.

**16)** Cycle the shock up and down to check for any play, sticking, or air in shock.

## **REMOTE RESERVOIR SECTION**

### *Tools needed:*

-soft face hammer

-tape measure

-1/4" ratchet

-1/2" ratchet

-large snap ring pliers

-needle nose pliers

-3/8" extension with 1/4" allen socket

-1/4" 9mm socket

-90 degree pick

-blue lok tite

-remote resi tool

## **REMOVAL**

- 1)** Bleed all nitrogen out of shock.
- 2)** Remove complete Schrader valve.
- 3)** Using a prodigy shock tool remove reservoir end cap.
- 4)** Compress shock slowly moving the Internal Floating piston (IFP) up the remote reservoir.
- 5)** Remove IFP plug

NOTE: you may have to Wedge IFP inside of shock to remove plug.

**6)** Remove IFP.

**7)** Dump oil out of Reservoir.

**8)** Unscrew Reservoir hose from top cap of shock and from the resi.

**9)** Remove last resi end cap.

**10)** Clean and inspect all parts.

## **REMOTE RESERVOIR ASSEMBLY**

**1)** Install resi end cap in one end of resi.

**2)** Screw hose back onto top cap of resi and then back onto the top cap of shock.

NOTE: White Pipe thread sealant gets used on all hose ends.

**3)** Fill remote resi ½ full with shock oil.

**4)** Bleed air out of shock. The proper way to do this is as follows....

**a.** Hold resi so fluid does not leak out and is away from the shock builder.

**b.** Slowly fully collapse and extended shock until bubbles stop floating to the top. If bubbles continue to come out of resi there is an air leak in shock.

**5)** After all air is out of shock fully compress shock.

**6)** Double check and make sure oil is half way up reservoir.

**7)** Install IFP with reservoir tool, so that there is a thin layer of oil over IFP.

**8)** Install plug in IFP.

NOTE: You may need to wedge IFP in reservoir in order to tighten plug.

**9)** Install last end cap in the resi with white pipe thread sealent on threads.

**10)** Install Schrader valve with blue lok tite on threads.

**11)** Fill with 120 PSI of Nitrogen.

**Congragulations! You have successfully rebuild your shock.**

**Any questions feel free to call 518-270-9822 and speak to one of our techs.**