



Answer Manitou Magnum Fork Rebuild Instructions

Tools:

- Metric hex wrenches
- Small standard screw driver

Dissassembly

1. Remove front wheel.
2. Disconnect front brakes.
3. Remove both 5mm lower compression rod screws. Bottomout fork to prevent rod from turning. Pull legs down to work with seal.
4. Use a small screwdriver to remove retaining ring.(Figure 1)
5. Pry up dust seal until it is above flange.
6. Pull outer leg assembly down sharply to force upper bushing out of flange.

Skewer & Compression Rod Removal

1. Remove positive bottom clip from groove in compression rods.
2. Slide off the 1" bottom out elastomer.
3. Unscrew and remove the skewer assemblies.
4. Turn fork upside down to remove compression rods.
5. Remove lower bushing.
6. Remove elastomers , observe clip location.
7. Clean and inspect all parts.

Reassembly

Skewer & Compression Rod Installation

1. Clean all parts thoroughly.
2. Slide retaining ring, dust seal, and upper bushing onto outer legs.
3. Lubricate compression rods lightly using supplied lube.
4. Install rebound (top out).(Figure 2)
5. Drop compression rods down into inner legs. Shake to get rod through inner leg plug.

6. Grease threads on inside of inner leg.

Note: Use the lubricant that is supplied with your kit. Do not use any other lubricant.

7. Position the preload adjuster clip in the desired groove.
8. Stick the 6 compression elastomers into the spacers then grease the elastomer stack assembly.(Figure 2)
9. Push the elastomer stack into the preload adjuster and slide the assembly into the leg.
10. Install the bottom out elastomer on compression rod.
11. Install positive bottom clip in the Mag groove only.(Figure 1)
12. Grease and install lower bushing on inner leg.
13. Install outer legs as a unit onto inner legs. Force the lower bushings past flange until dropouts contact compression rods.
14. Install and torque both 5mm compression rod screws to 10-30 inch lbs.
15. Using a small screwdriver, push the upper bushing down into the flange. Take care not to damage bushings or scratch the inner leg.
16. Using a screwdriver, push dust seal into its cavity.
17. Install retaining ring by starting the wide end into the flange groove. Pushing down with a screwdriver rotate to feed ring into the groove. Install ring so that the end gap is oriented straight back.
18. Reconnect front brakes.
19. Install front wheel.
20. Check that everything is in working order before test riding.

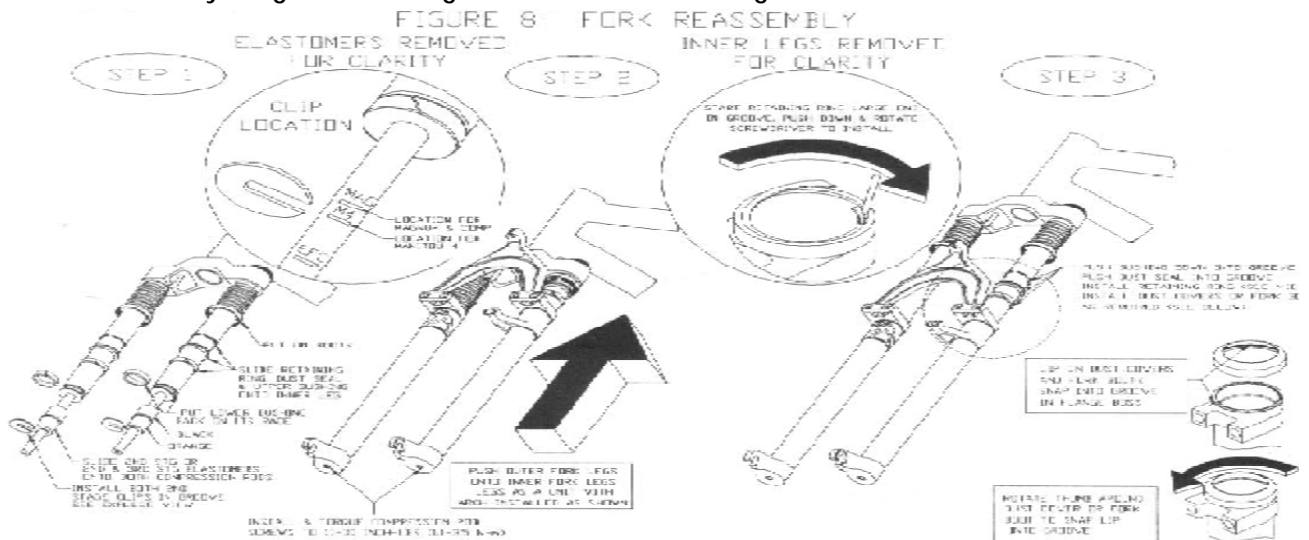


Figure 1



Suspension Fork Parts.com

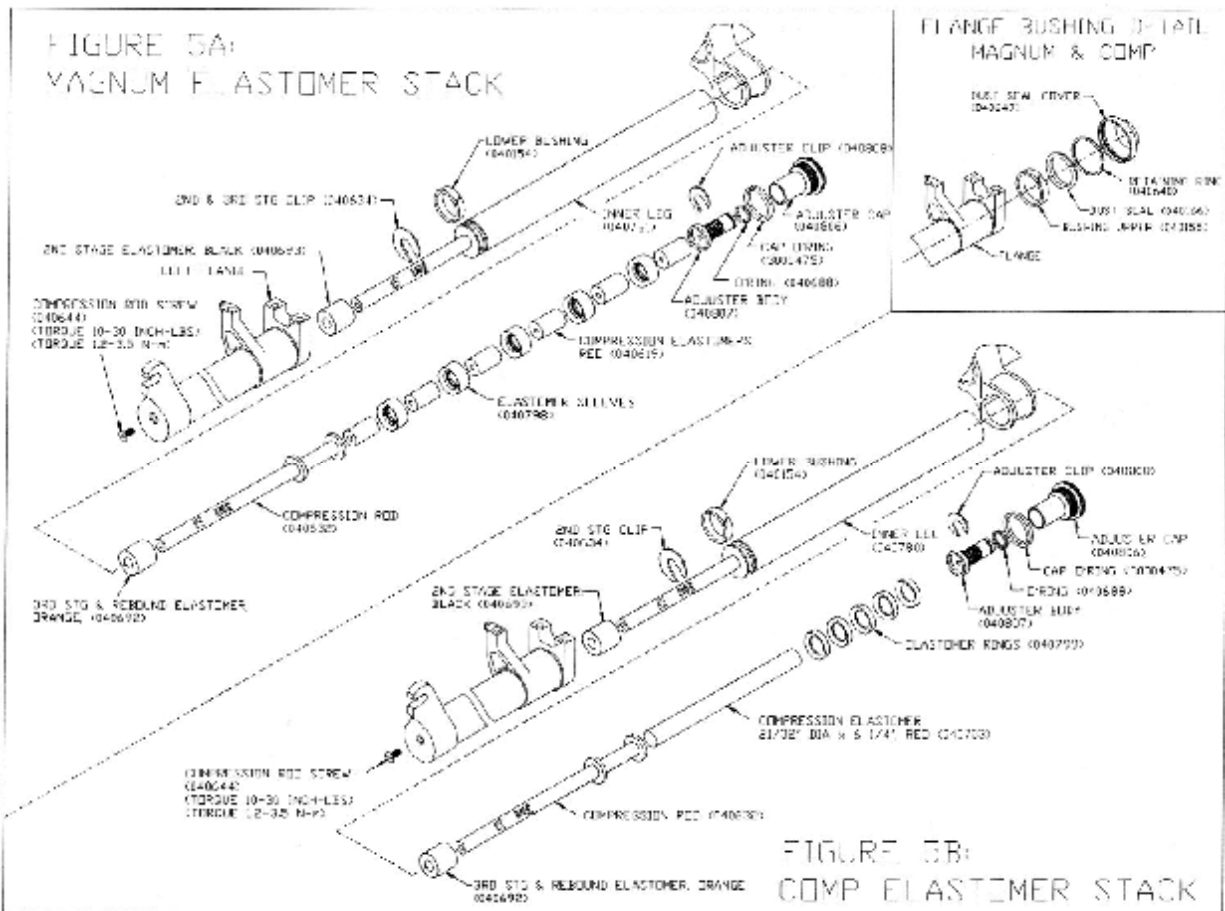


Figure 2

If you have any questions or would like a different ride firmness please email us at sales@suspensionforkparts.com.