

1



### Step One

With your front forks and legs off of the bike, remove stock upper caps.

**Important:** The springs inside your fork tubes are under load. Use an approved compressor when removing spring.

2



### Step Two

Using a pick, remove your stock o-ring from your caps, if using one of Short Neck Slip Fit Kits.

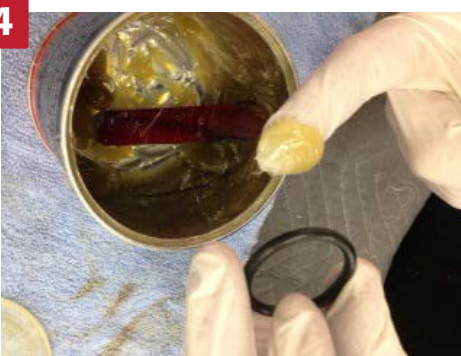
3



### Step Three

Tape off threads of new caps to keep from damaging o-ring on install.

4



### Step Four

Using bearing grease lubricate o-ring entirely.

5



### Step Five

Install o-ring on new caps, then remove tape.

6



#### Step Six

Caps shown here with o-rings installed.

7



#### Step Seven

Using bearing grease, lubricate by inserting bearing grease into the slot in the delrin guides, as well as the cavity in the center.

8



#### Step Eight

Piston shown lubricated and ready for installation.

9



#### Step Nine

Using a measuring tape, measure 8 inches of coil from the least dense portion of the spring.

10



#### Step Ten

Mark your spring here.

11



#### Step Eleven

Using a cutoff wheel cut your spring so that it is left flat at the bottom and de-burr.

12



#### Step Twelve

Insert cut portion downward into fork tube.

13



#### Step Thirteen

Replace recommended volume of oil into fork tube.  
\*Refer to your service manual for specifications

14



#### Step Fourteen

Insert piston into fork tube with the inner threaded portion pointing outward, as shown here.

15



Step Fifteen

Reinstall fork cap.

Final Step

Torque fork cap to recommended factory specs.



Stock



26" Short Neck



30" Short Neck

# AMERICAN SUSPENSION

## AIR PISTON INSTRUCTIONS

Image A



1. Remove stock upper caps, as advised in your service manual.

**Important:** The springs inside your fork tubes are under load. Use caution.

2. Remove stock spring and any preload spacer. **(refer to shop manual for your vehicle).**

3. Remove about 50 cc of fork oil from each fork leg.

4. If your kit requires new fork caps, use O-ring from stock cap.

Image B



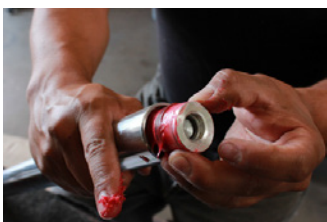
5. Install your new American Suspension spring into place same as stock springs. **(see image A)**

6. Lubricate the pistons. Use bearing grease to thoroughly coat the slot in the delrin guides, as well as the cavity in the center. **(see image B)**

7. Insert the piston into fork tube with the inner threaded portion pointing upward. **(see image C)**

8. Reinstall fork cap.

Image C



9. Reassemble fork and top tree if it were removed from bike.

10. Hook up airlines in the fork caps, to your existing air compressor system.