



40-48 Chevy Front Bag kit installation

NOTE: A qualified welder should do all the welding using the proper techniques.

*****If using our external shock mount kit, sway bar must be removed and will not clear shock absorbers.*****

- Jack up front chassis up and support frame.
- Remove wheels / tires
- Place jack under lower control arm and support tension of coil spring
- Remove lower control arm / upright bolt and lower jack to allow control arm to swing down.
- Remove coil springs.
- Remove lower control arm inner bolts and remove lower control arms.
- Drill out rivots holding coil spring plate on control arm. ****See attached picture***
- Bolt provided lower plate to lower control arm using provided hardware.
- *If using external shock mount kit, bolt lower shock mount to the bottom of front edge of control arm.
- Swing spindle / spindle / hub assembly to side and secure out of way.
- Cut bump stop plate out of coil pocket and grind clean / smooth. ****See attached picture***
- Welded nuts on bag cups sit at top of bag cup, these hold the bag cup in the chassis. Mark location on the top of the chassis coil pocket front to rear ½” down from top of chassis. Center punch and drill a hole in front and in rear of upper coil pocket through chassis. ****See attached picture***
- Make note of air line hole and cut, hole saw, or torch hole in chassis to allow air line to pass through. ****See attached picture***
- Grind all edges, holes, and surfaces to verify no sharp points for bag to rub on.
- Assemble desired air fittings in bag (90*), bolt bag to bag cup using supplied hardware
- Install bag cup and bag assembly in chassis. Bolt into place using 1 ½ x 3/8 bolts.
- Bolt lower control arm back into chassis, swing up to upright and re assemble front suspension.
- Line lower bag mount up and bolt bag into place. Torque all 3/8 hardware to 20 ft / lbs
- *If using external shock mount kit, cycle suspension up now and position 3/8” shock mount in place. Tack weld to chassis and verify clearance of all components by cycling suspension up and down with shock installed.
- Torque all suspension components.
- Route and secure airline to chassis and out of way of any moving suspension components.
- ******Plumb in air management at this point******
- Re install front tires and pull off of jack stands.

We bounce between using shock bolts from Dorman (part #31001) and ½” bolts with a 1/2” spacer pending upon availability. You will need some form of a spacer to pull the shock absorber off the upper and lower mounts to keep the shock body from contacting either side tab.

Replacement part numbers

10 5/8 collapsed length uses a 32369 Monroe shock absorber

*if 32369 unavailable we have been using 31542, 31089, or 37155 but all 3 do require bushing modifications to allow for use of provided ½” shock hardware.

12” collapsed length uses a 31000 Monroe shock absorber

Shock bolts 31001

Air bags Universal Air AirHouse Minis with a ¼” NPT

