



Part # 11050910
58-64 Impala Front CoolRide/Shock Kit
For Use with Lower StrongArms

AIR SPRING KIT

Components:

- 2 90006873 F6873- Firestone air spring (224c)
- 2 90000482 Upper air spring cup bracket

Hardware:

- 2 99371001 3/8" x 3/4" USS bolt Air spring to lower arm
- 4 99372002 3/8" USS Nylok nut Air spring mounts
- 6 99373003 3/8" SAE flat washer Air spring mounts
- 2 99373005 3/8" lock washer Air spring to lower arm
- 2 99435001 7/16" x 6" studs Upper cup to frame
- 2 99433002 7/16" USS flat washer Upper cup to frame
- 2 99432001 7/16" USS Nylok nut Upper cup to frame

SHOCK KIT

Shock:

- 2 22849999 HQ Smooth Body Shock Cartridge
- 2 70011138 3/4" ID Shock Bushing
- 2 70011182 5/8" ID Inner Sleeve

Components:

- 4 70011140 Stem Bushings
- 4 70011141 Stem Washers
- 1 90000483 Upper shock bracket
- 1 90000484 Upper shock bracket
- 2 90000471 Aluminum shock spacer
- 2 90001619 Shock stud

Hardware:

- 12 99373007 3/8" x 1" thread forming bolt Upper shock mounts
- 4 99372006 3/8"- 24 Thin Jam Nut Upper Shock Stud

COOL RiDE[®]

by Air Ride Technologies

Cool Ride Kit Installation Instructions

1. Raise and support car at a safe, comfortable working height. Let the front suspension hang freely
2. Remove coil spring and shock absorber. Refer to factory service manual for proper disassembly procedure.



3. Insert air fitting into air spring using tread sealant. Place the upper cup onto the studs on the air spring and tighten using two 3/8" nyloc and flat washers. Thread the 6" stud into nut in bottom of air spring cup.

4. Install air spring assembly into the coil spring pocket with the tall side of the bracket towards the wheel. With the stud protruding through the OEM shock hole secure the assembly with the supplied hardware. (The airline must also be routed at this time.)



5. The air spring will be attached to the lower arm using a 3/8" x 3/4" bolt, lock washer and flat washer.



6. The sway bar end link must be shortened to 2" tall optimize clearance and alignment. Use the shorter 3/8" x 6 1/2" bolt supplied.

7. Ride height on this air spring will occur around 5" tall.

8. Trimming the coil spring pocket is generally not necessary on this car. However, be sure to check air spring clearance through full suspension travel. Allowing the air spring to rub will result in failure and it not a warrantable situation.

Shock Kit Installation Instructions



1. Position the upper shock mount on the frame so the hole in the bracket aligns with the hole in the side of the frame and the tab is against the bottom of the frame. You may have to trim some of the inner fender well for clearance. On manual shift cars you may have trim the bottom of the Z-bar clutch bracket on the driver's side.



2. Mark the hole in the bottom of the frame and drill with 5/16" bit. Use the 3/8" self-tapping bolts supplied and bolt the bracket to the frame. Mark and drill the remaining holes.

Picture shows alignment hole on side of frame.



When using factory lower arms:

3a. Drill a 1/2" hole in the lower control arm approximately 7 3/4" from the cross shaft bolt. Insert the shock stud through the lower shock eye and then place the aluminum spacer onto the stud. The step on the spacer will go into the arm. Slide the stud through the lower arm and secure w/ nut and washer.



When using lower StrongArms:

3b. Insert the shock stud through the lower shock eye and then place the aluminum spacer onto the stud. The step on the spacer will go into the arm. Slide the stud through the tab on the lower arm and secure w/ nut and washer.