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Part # 11051099 58-64 Impala Front CoolRide Kit For Use with Stock Lower Arms

Components:

2	90006873	F6873- Firestone air spring (224c)
2	90000013	Upper air spring cup bracket
2	90000012	Lower air spring plate

Hardware:

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2	99371001	3/8" x 3/4" USS bolt	Air spring to lower plate Lower plate to control arm
4	99371003	3/8" x 1" USS bolt	Lower plate to control arm
10	99372002	3/8" USS Nylok nut	Air spring mounts
14	99373003	3/8" SAE flat washer	Air spring mounts
2	99373005	3/8" lock washer	Air spring to lower plate
2	99435002	7/16" x 8" studs (customer	will cut off to 6 1/2 inches)
2	99433002	7/16" USS flat washer	Upper cup to frame
2	99432001	7/16" USS Nylok nut	Upper cup to frame
2	99371011	3/8" x 6 1/2" USS bolt	Sway bar end link



Installation Instructions

******Must be used w/ RideTech shock kit*****

- 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. Bolt the lower air spring plate to the lower arm. The two outer holes will align with the factory bump stop holes. The inner two holes must be drilled.

Note: The factory bump stop may be reused but is not needed. It is acceptable to allow the suspension to bottom out on the air spring.



- 4. 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 8" stud into nut in bottom of air spring cup.
- 5. 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.)



- 6. To correct the sway bar alignment the endlink must be shorten to 2" tall. A 3/8" x 6 $\frac{1}{2}$ " bolt is 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.

Air Ride Technologies