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INSTALLATION INSTRUCTIONS FOR HOWE PRECISION LOWER A-FRAME BUSHINGS

**66-69 Chevelle, 68-74 Nova, 73-74 Skylark, 66-70 Cutlass,
64-72 Lemans / GTO Lower Require: 22900**

Features one round bushing and one oval bushing.

Kit 22900 requires:

2 - Bolt 1/2"-13x3-1/2" PN: 2296

**66-72 Chevelle, 68-74 Nova, 66-72 Skylark, 66-72 Cutlass
Lower Require: 22901**

Features two round bushings.

Kit 22901 requires:

2 - Bolt 1/2"-13x3-1/2" PN: 2296

71-81 Camaro / Firebird Lower Require: 22915

Kit 22915 requires:

2 - Bolt 9/16"-12x3-1/2" PN: 2294

**83-94 Crown Victoria / Grand Marquis,
80-94 Towncar, 80-82 LTD Lower Require: 22920**

Kit 22920 requires:

2 - Bolt 9/16"-12x3-1/2" PN: 2294

78-87 Mid Size GM Metric Lower Require: 22925

Kit 22925 requires:

1 - Rear Bolt 9/16"-12x4" PN: 2295

1 - Front Bolt 9/16"-12x3-1/2" PN: 2294

All Kits Require a Set of Channeled Grease Bolts

A. - PREPARING THE LOWER A-FRAME

All Howe OEM lowers are available without bushings installed. If it is necessary to remove the rubber bushings in your lower follow the steps below.

1. Heat the outer housing of the bushing until the inner rubber portion of the bushing can be pushed out.
2. Once the inner rubber has been removed, carefully torch the outer housing from the lower a-frame being careful not to cut or damage the swedged portion where your new Howe precision bushing will be installed.
3. If necessary use an emery cloth or fine sand paper to clean the inner face of the swedge where your new Howe precision bushing will be installed.

B. - INSTALLING HOWE PRECISION BUSHINGS

1. The rear bushing is a two piece bushing. Take the outer housing and simply press it into the rear of the lower a-frame; small end first. It should not require much force and be able to be done by hand. Only push the outer sleeve until it is flush with the surface of the a-frame.
2. Install the inner bushing assembly into the outer housing; small end first with the snap ring towards the rear. The inner assembly with float freely inside of the outer housing.
3. The front bushing is one piece; it does not require an outer sleeve. Push the bushing into the front of the a-frame, small end first, until it is flush with the surface of the a-frame.

C. - INSTALLING THE A-FRAME

1. Install the lower a-frame onto the chassis using the grease channeled bolts that your a-frame requires. Both front and rear bolts should have the grease zerks facing the front of the car. ***Do not substitute regular bolts for the channeled bolts or you will not be able to grease the bushings and they will eventually seize!***
2. Support the lower a-frame at the proper angle it will be when the car is at ride height.
3. Locate the center of the rear axles on the rear frame rails when the rear end is properly positioned and clamp a straight edge across. Measure forward and tack weld the outer sleeve of the rear bushing to the inside edge of the a-frame when it is at the desired wheelbase for your chassis. Also tack weld the front bushing to the inside of the lower a-frame.
4. The inner portion of the rear bushing ***does NOT*** get welded to the outer sleeve. Remove the support under the a-frame and make sure that it will travel up and down freely. Weld the rear sleeve and front bushing assembly to the a-frame with two 1" welds on both sides of the inside of the a-frame.
5. Grease your new bushings and then they are ready for use. Grease your Howe precision bushings every 200 laps. Remove, clean, and inspect your bushings annually.