



Steering, Brake & Suspension Specialists

#CPBCS - Billet Steering Column Saver Instructions

Parts:

- 1 ea - Billet Aluminum Column Adapter
- 2 ea - Thrust Needle Bearings
- 4 ea - Thrust Washer
- 2 ea - Steering Shaft Collar

Note:

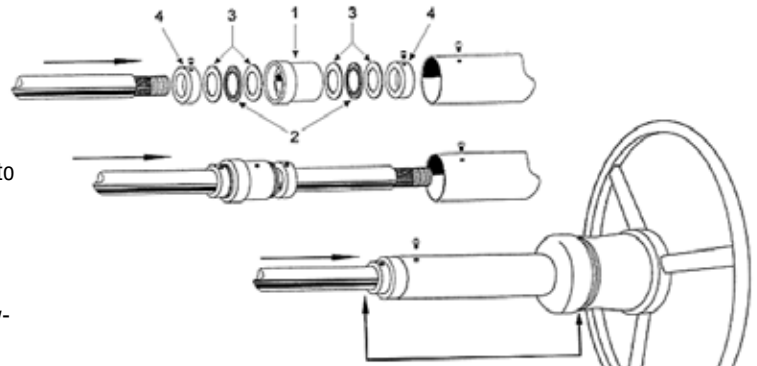
Read these instructions completely before attempting this conversion.

Make sure this kit fits your application before painting or plating. Parts that have been painted, plated or modified may not be returned.

Instructions:

1. Cut the steering shaft off at the top of the steering box.
2. Remove the steering wheel.
3. Pull the shaft up and out so that you can cut the steering column housing back to the desired length without damaging the shaft. The housing will need to be cut to allow a minimum of 2" of shaft to extend once the shaft has been finally cut to its required length for your application. Be sure the cut is clean from burrs and sharp edges and as straight as possible, the Billet Aluminum Column Adapter in this kit will locate on this cut surface.
4. Drill a 3/16" hole on the steering column housing 1" above the bottom edge of the housing and in the desired location for the set screw on the column adapter.
5. In order to properly determine the required spacing of the kit on the steering shaft you will need to pre-assemble the shaft, adapter (1) and wheel in the vehicle. With the column housing, shaft and wheel or adapter assembled and approximately 1/8" of spacing between the steering column housing and the steering wheel, slide the adapter onto shaft so that it is flush with the column housing. Mark the steering shaft at the bottom of the adapter. This mark will ease the complete assembly in the following steps.
6. Cut the steering shaft to the required length for your application allowing no less than 2" of the shaft to extend past the housing. Clean the cut edge so that it is free of burrs and sharp edges.
7. Remove the steering wheel and remove the steering shaft completely.
8. Insert kit components in the following order onto the shaft, one Steering Shaft Collar (4), one Thrust Washer (3), one Thrust Needle Bearing (2), one Thrust Washer (3), Billet Aluminum Column Adapter (1), one Thrust Washer (3), one Thrust Needle Bearing (2), one Thrust Washer (3), one Steering Shaft Collar (4).

9. Slide the lower collar to the marked location on the shaft and tighten down.
10. Slide the shaft and column saver assembly into column housing so that it is up against the cut end of the column housing.
11. Line up the 3/16 hole with the screw hole on the aluminum housing and tighten set screw.
12. Attach steering wheel and verify that there is approximately 1/8" of spacing between the top of the column housing and the steering wheel. Without this proper spacing, the internal components of the column may not work properly.
13. Now completely disassemble the unit and remove the shaft. Remove the collars and note the marks made by the set screws in the shaft. At these locations you will need to grind flats on the shaft to prevent the set screw from disengaging the shaft during normal operation. These flats should be no more than 1/8" deep to prevent the threads on the set screws from disengaging from the collars when tightened. It is recommended that the flats be about 1" in length down the length of the shaft centered on the mark made by the set screw. This will allow for adjustment of the assembly to ensure the proper spacing between the steering wheel and the column housing as mentioned previously.
14. Reassemble the unit following steps 8 - 12.



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