



# TECHNICAL SERVICE BULLETIN

## APPLICATION

1984-2000 Chrysler, Dodge & Plymouth Vehicles with Adjustable Motor Mounts

## SUBJECT

Inner C.V. Joint "Pull Apart" or Vibration

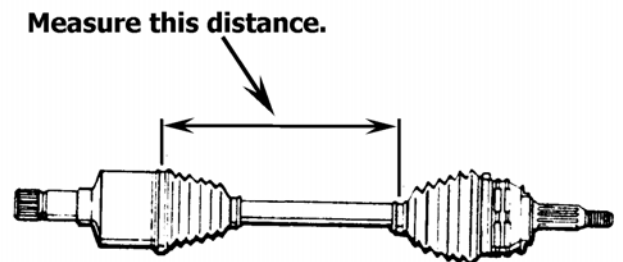
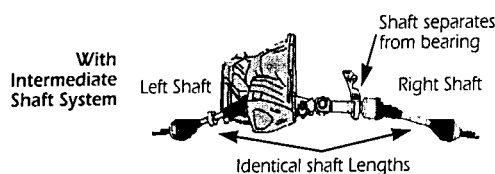
## CONDITION

Many Chrysler vehicles are equipped with adjustable sliding type motor mounts. As these motor mounts age, they can sag or shift, changing the position of the motor and transmission. Anytime an axle shaft is replaced on these vehicles, always inspect the motor mounts for wear and position, especially if the inner boot is stretched or ripped. The torque of the engine usually shifts the engine and transmission to the right side of the vehicle. This causes the right side axle to become shorter making the tripod bottom out in the inner housing. Therefore, the left side axle becomes longer making the tripod ride out on the edge of the inner housing causing the inner joint to vibrate or pull apart.

## MEASURING

There are three different ways to measure the length of the axles and determine the position of the motor and transaxle.

- A. If both axles are the same length and style, this method can be used. With the vehicle on the ground or on a drive-on type hoist measure the distance from the small clamp on the outer joint to the large clamp on the inner joint (always take measurements from the bottom of the axle). Do this on both axles, compare the measurements, and adjust the motor accordingly.



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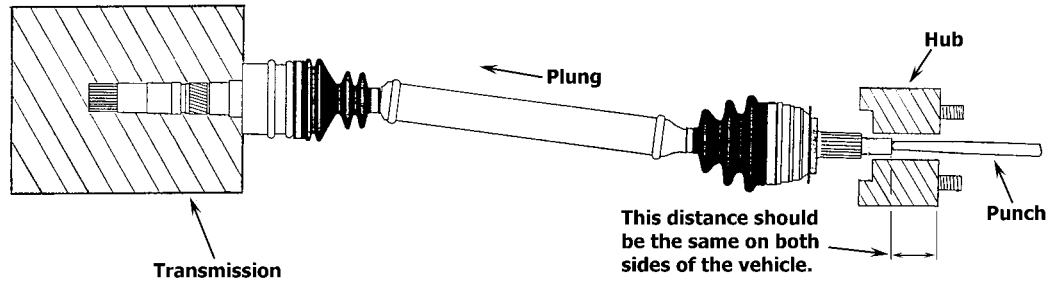


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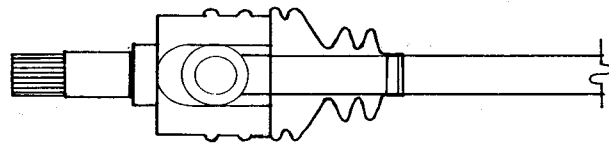
## NO. 2000 PART NUMBERS

3001	3002	3003	3004	3005
3006	3011	3012	3015	3016
3021	3022	3023	3024	3027
3028	3031	3035	3036	3047
3048	3054	3055	3056	3069
3070	3349	3352	3354	3369
3370				

- B. With the vehicle on the ground or on a drive-on type hoist, remove the nuts from both axles. Push the axle towards the transmission and bottom out the inner joint. Using a punch or a small bar, measure the distance the stub shaft has withdrawn into the hub. Mark the bar or punch at the edge of the hub. Do this to both axles and compare the measurements. If the measurements are not the same, the engine and transmission need to be adjusted.

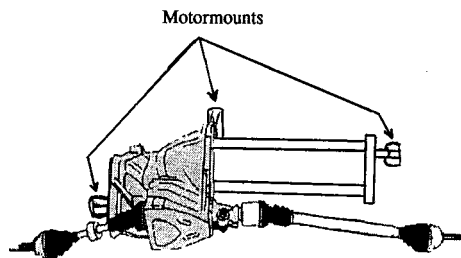


- C. With the vehicle on the ground or on a drive-on type hoist, remove the large clamp from the inner joint of both axles. Pull the boot back and look at where the tripod is riding in the housing. The tripod should ride in the middle of the housing. It should not be riding on the edge or at the bottom of the housing. Do this to both sides, compare the two, and adjust the motor accordingly.



#### ADJUSTMENT

1. Carefully support the motor and transaxle with a floor jack.
2. Loosen right motor mount fasteners, front motor mount bracket, and front crossmember fasteners.
3. Pry motor left or right as needed and tighten all fasteners.



#### NOTE

Many factors other than the motor mounts can cause the misalignment of the C.V. axles. Whenever a vehicle has an inner boot that is stretched or ripped look at other components that may have caused it. If the vehicle has been involved in a collision, been launched into the air, or received an impact from some other force it may have uni-body or other component damage. Make sure none of these components are worn or bent: struts and springs, lower control arms and bushings, steering knuckles and hub bearings, and strut rods and bushings.

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