BORGESON Telescoping Shaft Instructions *(24")* 450024

CAUTION: NOT ALL VEHICLES CONFORM TO PUBLISHED SPECIFICATIONS! TEST FIT THIS ASSEMBLY IN YOUR VEHICLE BEFORE PAINTING OR ALTERING IN ANY WAY. ONLY ASSEMBLIES IN NEW CONDITION WILL BE ACCEPTED FOR RETURN OR EXCHANGE.

Since the Borgeson Telescoping Shaft is made to fit a variety of different applications, cutting the shaft to the proper length for your application will probably be required. Before cutting, fully extend the shaft to its 27 inch length. To determine shaft length, measure the distance between the end of the steering column and the steering box shaft; this is the length to which the telescoping shaft should be cut. If the finish shaft length is to be 17 inches or greater, all the material should be cut from the tubular end of the assembly. So cutting 10 inches from the tubular end of the shaft would result in the required 17 inch shaft. If a shorter shaft is required, the additional material must be removed in equal parts from each end to allow proper telescopic movement. If for example, a 12 inch shaft was required, 5 additional inches must be removed; 2-1/2 inches from each end. That would mean a total of 12-1/2 inches must be removed from the tubular end of the shaft, and 2-1/2 inches from the solid end.

BORGESON Telescoping Shaft Instructions *(36")* 450036

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Since the Borgeson Telescoping Shaft is made to fit a variety of different applications, cutting the shaft to the proper length for your application will probably be required. Before cutting, fully extend the shaft to its 37 inch length. To determine shaft length, measure the distance between the end of the steering column and the steering box shaft; this is the length to which the telescoping shaft should be cut. If the finish shaft length is to be 27 inches or greater, all the material should be cut from the tubular end of the assembly. So cutting 10 inches from the tubular end of the shaft would result in the required 27 inch shaft. If a shorter shaft is required, the additional material must be removed in equal parts from each end to allow proper telescopic movement. If for example, a 22 inch shaft was required, 5 additional inches must be removed; 2-1/2 inches from each end. That would mean a total of 12-1/2 inches must be removed from the tubular end of the shaft, and 2-1/2 inches from the solid end.

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Attachment of Double D Tubing to the U-Joint

Securing the u-joint to the tubular shaft requires drilling one hole in the tube. Place the appropriate end of the u-joint over the end of the telescoping tube as shown in Figure B. Tighten the short set screw against the tubular shaft to secure the joint in position. Remove the long set screw and mark the position of the set screw hole on the tubular shaft with a pencil or a punch. Loosen the set screw securing the joint to the shaft and remove the u-joint. Do not drill though the u-joint. At the point marked on the tubular shaft, drill a 3/8" diameter hole through one wall of the tube only. Put the u-joint back in position on the tube to the depth shown in Figure B and install the longer set screw so that it passes through the drilled hole and bears against the opposite wall of the tube. Figure C shows a cross section of the universal joint yoke and the Double D shaft with the set screws in the correct position. Tighten both set screws and lock nuts to secure the u-joint to the tubular shaft. After approximately 100 miles, retighten all set screws and lock nuts.

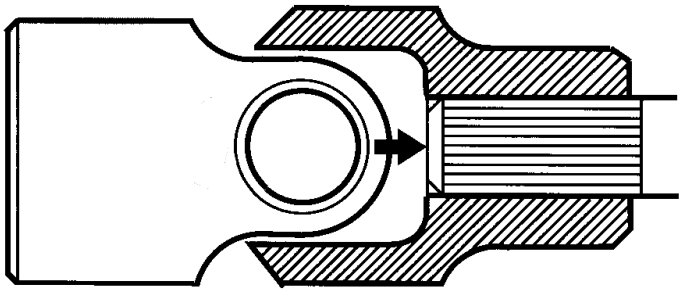

FIGURE B

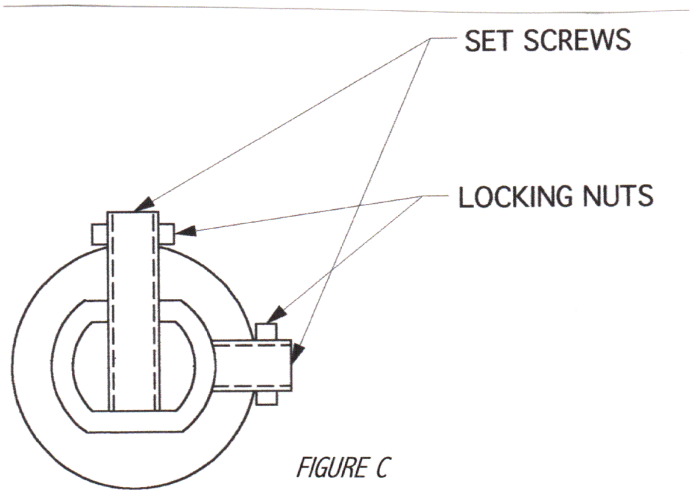

FIGURE C