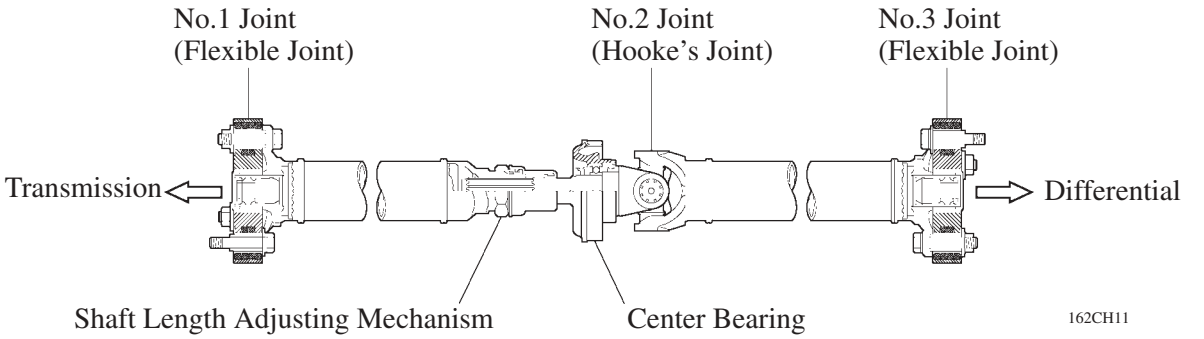
PROPELLER SHAFT

■ DESCRIPTION

The propeller shaft is a 2 part type, each part of the propeller shaft consists a strong tube having a high centering and dimensional precision and a small diameter. The propeller shaft is connected to the transmission and the differential via 3 joints. No.1 and No.3 joints are made of flexible rubber couplings. No.2 joint is a Hooke's universal joint. All 3 joints are carefully arranged in such a way that their shaft angles rest on a straight line. This design ensures a precise drive line linearity from the engine through the differential to minimize noise and vibration.
A shaft length adjustment mechanism is incorporated in order to make propeller shaft removal and reinstallation easier.



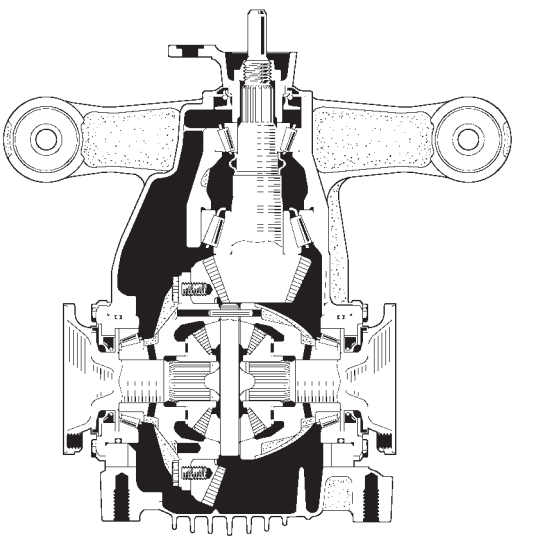
Service Tip

When removing and reinstalling the propeller shaft, make sure to inspect the shaft angle at each of the 3 joints and confirm that they are in the specified range. Refer to the Toyota Century Repair Manual (Pub. No. RM676E1) for shaft angle adjustment.

DIFFERENTIAL

■ DESCRIPTION

The differential has an 8-inch ring gear to ensure accurate operation at high power output and high speed. The optimal designing of the hypoid gear, precise machining and installation of each component part are incorporated into this differential. The differential is carried by a rear suspension member via rubber mounts to suppress vibration and noise being transmitted to the body.



▶ Specifications ◀

Differential Gear Ratio		3.615
Drive Pinion	No. of Teeth	13
Ring Gear	Size	8"
	No. of Teeth	47
No. of Differential Pinion		2