

Fitting New Ignition Sensors to Housing

16) Remove the old sensors (silver wire) from the reduction drive housing. Keep the nuts and washers.

17) Slide the new sensor, locking nut and washer through the slot in the housing. Position the sensors as shown in Figure 1. Thread the locking nut on to the sensor, and then install the rubber boot.

CAUTION: Do not over-tighten the sensors. They need only be tight enough so that they will not move.

The sensors are aluminum, and the big locking nuts are steel, so it is very easy to strip the sensors.

Reassemble Reduction Drive Housing to Engine

19) Remove the tape covering the end of the bottom pulley. Clean the trunnion shaft and coat **lightly** with clean oil. Thread the bolt, without washers, into the trunnion shaft two turns. Insert the trunnion shaft into the bearing in the bottom pulley.

20) Fit the belt around the bottom pulley, and have your assistant hold the belt up and feed it on to the top pulley as you slide the housing along the long stud on to the engine. Look through the tapered bore to line up the trunnion shaft, and guide the shaft into the bore with the bolt.

21) Fit the bolts and nuts holding the housing to the engine. Install the washers on the trunnion shaft bolt and tighten to 16 ft-lbs (22Nm). Re-install the starter motor.

22) Adjust the reduction drive belt tension, as described in Section 6.7 of your Operator's Manual, page 24.

23) Re - connect the battery and start the engine. Check for vibration or unusual noises. Once the engine has reached normal operating temperature shut it off and let it cool to room temperature. Now re - torque the trunnion shaft bolt, and check the belt tension again.

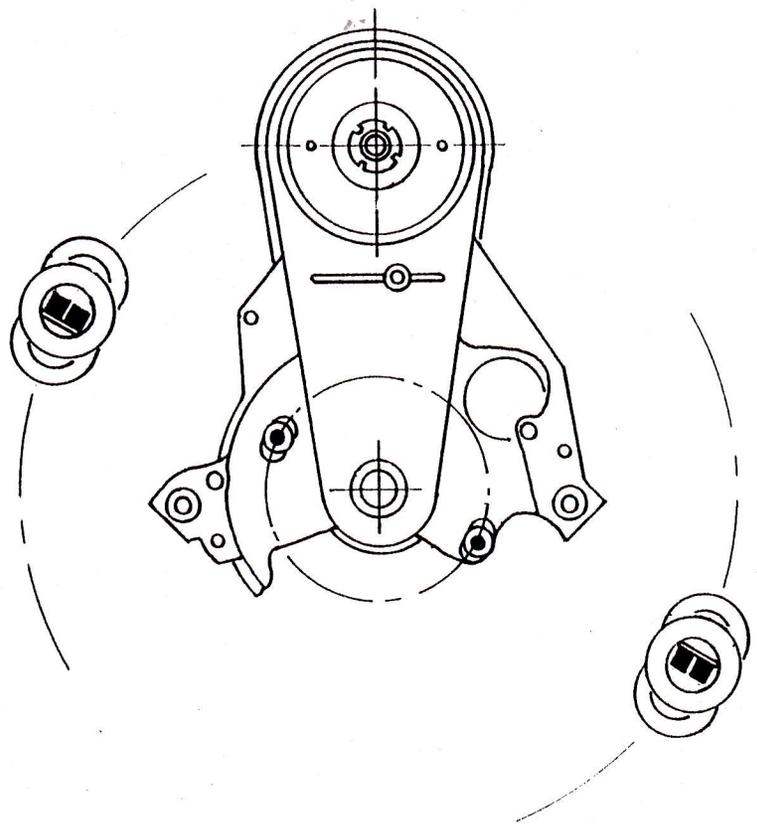


Figure 1. Inside of reduction drive housing