

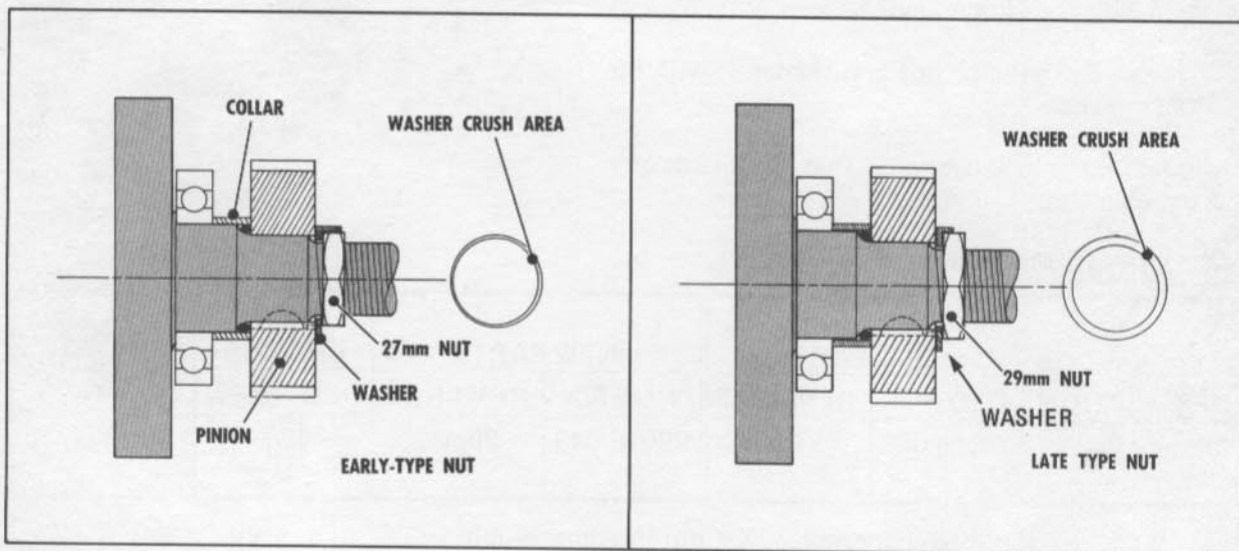
obsolete

PROBLEM:

In the H2, a knocking noise may develop in the right engine cover which sounds like a worn, loose clutch. The knock is caused by play between the crankshaft, woodruff key, and primary pinion. If the knocking is allowed to continue the woodruff key may be damaged.

CAUSE:

Surprisingly, the primary pinion nut does not loosen (turn) on the crankshaft. Instead, the lockwasher is crushed, relieving the pinion of nut tension. Then the gear is held from twisting only by the woodruff key. As the drawing below shows, the "crush" area on the lockwasher, which is determined by the I.D. of the pinion gear and the O.D. of the pinion nut, is very small.



The knocking results from the pinion keyway hitting the woodruff key as the pinion twists on the crankshaft.

CORRECTION:

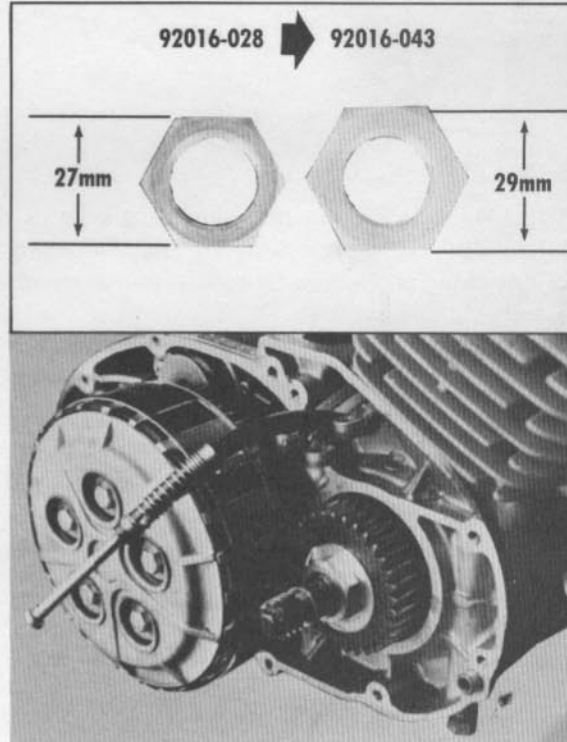
A new larger nut, with a 29mm O.D., is used to increase the lockwasher crush area and eliminate washer extrusion. The larger nut has been installed in all H2's after engine number H2E-05228.

Please see reverse side for additional information.

INSTALLATION:

To install the large nut —

- A. Loosen the oil pump flange screws, and disconnect the pump cable. Take off the right engine cover, leaving the oil lines fastened to the pump.
- B. Flatten the lock washer and take off the nut, lock washer, and primary pinion. **NOTE:** It is not necessary to remove the oil pump pinion.
- C. Install a new woodruff key (Part #510A5100).
- D. Install the primary pinion, and install a new lock washer (Part #42OB2014), engaging the tang with the pinion keyway.
- E. Thread on the large nut and tighten it with 85 lb.-ft. torque.
- F. Bend up the lock washer so that it contacts one flat of the nut.



PARTS INFORMATION:

DESCRIPTION	OLD PARTS		NEW PARTS		INTER-CHANGE	EFFECTIVE I.D.
	OLD P/N	REMARKS	NEW P/N	REMARKS	OLD ↔ NEW	
Primary Pinion Nut	92016-028	27mm	92016-043	29mm		H2E-05228

O = interchangeable X = not interchangeable □ = not available

WARRANTY INFORMATION:

This is a factory production change for routine product improvement. This bulletin is for notification of modification only, not for warranty authorization. ■