

## INSTALLATION INSTRUCTIONS

### Clutch Release Rod Oil Seal Kit, Part No. 37465-56

The lip type oil seal and related parts supplied in this kit replace original clutch hub nut seal parts of KH motorcycle clutches, 1954, 1955 and 1956 to engine No. 56KH 1465. Later KH clutches are equipped with this new type seal at the factory. This kit cannot be used in K-KK-KRM clutches. For further information regarding interchangeability see Shop Dope bulletin No. 363.

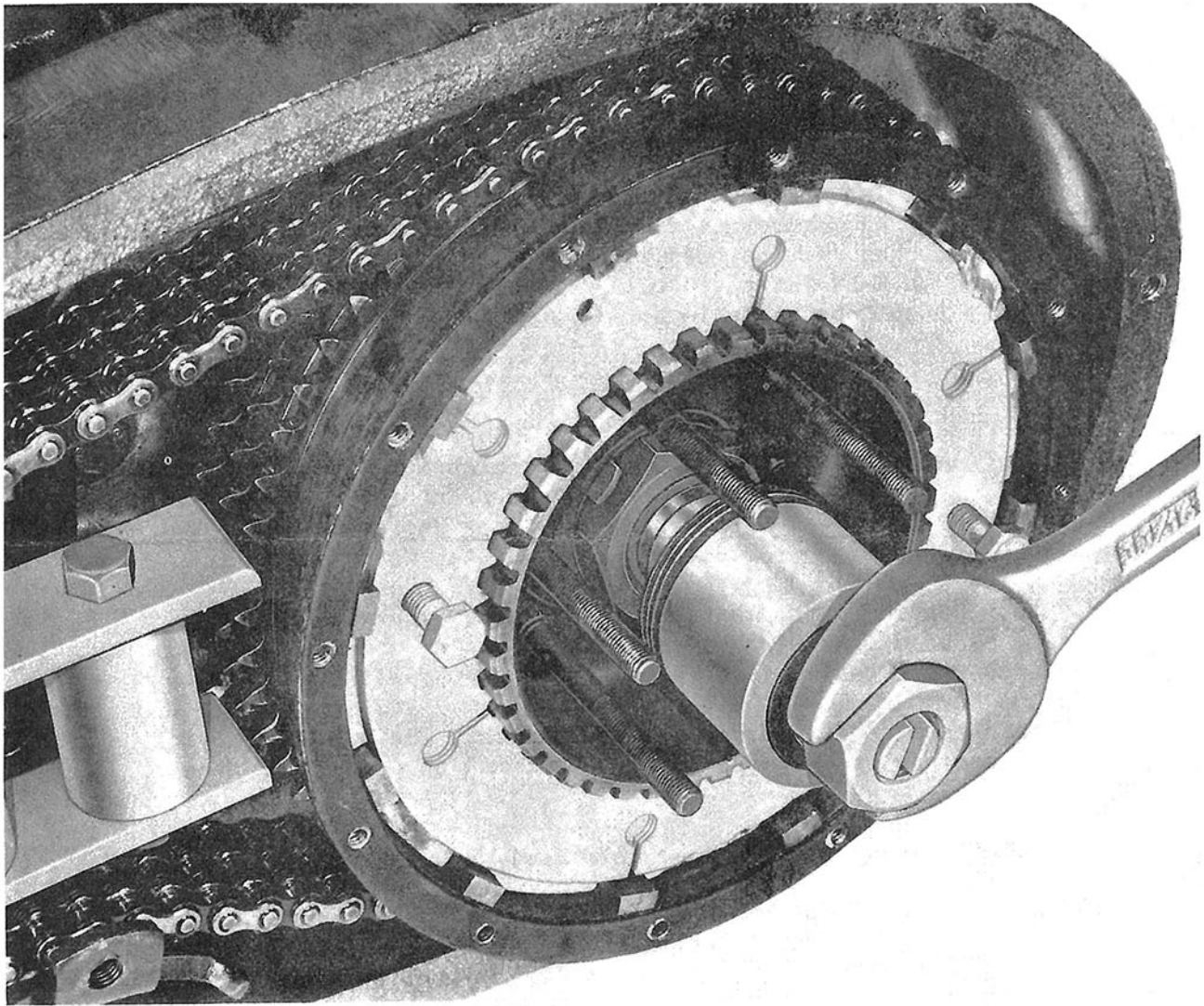
<u>Part No.</u>	<u>Name</u>
37277-56	Release Rod
37531-56	Oil Seal
37539-56	Extension
37526-56	Hub Nut
37533-52	Lock Washer
37762-52	Clutch Cover Gasket

Note: Regarding the last two items above, lockwasher is the same as used in the past, and is a spare in case it is needed; clutch cover gasket is of a new and better sealing material.

1. Remove chain case cover and disassemble clutch. Instructions giving correct procedure for assembly and disassembly can be found on page 41 of Model KH Rider's Handbook.
2. Remove clutch release rod, part No. 37279-54, and discard.
3. Remove and discard clutch hub nut assembly, part No. 37525-52, using wrench, part No. 94647-52. To prevent rotation of the clutch gear when turning nut, clutch lock plate, part No. 97175-55, and sprocket locking link, part No. 97200-55, are used as described in Shop Dope bulletin No. 361.

Note: If oil is found inside clutch, it is advisable to remove clutch shell and sprocket, wash thoroughly, and check for possible oil leaks by one or more rivets. Check by applying oil at one end of rivet, air pressure at the other end, and watching for bubbles. If any rivet leaks are found, tighten and seal with a hard drying sealer. Clutch discs with slightly oily friction material can be made serviceable by soaking and washing in carbon-tetra-chloride, naphtha, or other non-oily solvent. If discs are completely saturated with oil and possibly charred from slipping and overheating, discs should be replaced with new ones.

4. Install new nut, part No. 37526-56 and lock washer, part No. 37533-52.
5. Apply aluminum paint to necked end of clutch gear extension, part No. 37539-56, to insure an oil tight seal at this point. Press extension into clutch gear using clutch hub assembly tool, part No. 97170-55, with 3 part No. 6732 washers (5/8 I.D. x 1-3/4 O.D.) or a single washer of equal thickness, between the press collar and extension. Press in by turning tool nut with wrench, seating extension tightly against end of clutch gear. See illustration following on next page.



Assembling Clutch Gear Extension Into Clutch Gear End

6. Remove tool and install seal, part No. 37531-56, with lip side facing inward. Start seal into extension by hand, and then drive flush with extension end with a flat block and hammer.
7. Apply a liberal coating of grease to new clutch release rod, part No. 37277-56, and insert through seal into transmission mainshaft.
8. Complete assembling clutch using new clutch cover gasket, part No. 37762-52, included with this kit.

Important: Be sure that the clutch cover joint is not bent at the screw holes, because if this surface is not flat, the cover cannot seat on the gasket properly. If bent, straighten or use a new clutch cover. Do not use sealer of any type on the clutch cover gasket. To insure proper seal, tighten first two clutch cover screws across from each other, then the next two screws at right angles to the first screws previously tightened. The other screws may be tightened in any order.

Harley-Davidson, Inc. has given us permission to provide this document on our website for the sole purpose of helping us restore our motorcycles.

Harley-Davidson, Inc. retains copyright over these materials, and NO reproduction or other use of these materials is permitted without prior authorization from Harley-Davidson, Inc.

The **Old Sportster and K-model Research Group (OSKRG)** is a group of individuals who have spent years researching the minute differences in the parts, fit, finish, and configuration of the Harley-Davidson 1952-1956 K-Models, and (early) 1957-1969 Sportster models.

The results of our research is published on our website  
**[www.harleyKmodel.com](http://www.harleyKmodel.com)**