



# Service

SHOP DOPE BULLETIN NO. 397

2-14-58

FILE: D2-3B-11

## SPECIAL CAM GEAR KIT FOR XLH AND XL MODELS

A special set of cam gears designed for maximum high-speed performance is available in kit form under part No. 25500-58R, for use in the XLH and XL model engines.

Kit consists of the following parts:

1. Rear Exhaust Cam Gear
2. Rear Intake Cam Gear
3. Front Intake Cam Gear
4. Front Exhaust Cam Gear
5. 2 Exhaust Valves (non-rotator type)
6. 2 Valve Spring Upper Collars (for exhaust valves)
7. 2 Sets of Valve Collar Keys (for exhaust valves)

Above kit parts must be used in Sportster engine models as follows:

### XLH MODEL

All kit parts can be applied directly to any XLH engine or to those XL engines which have XLH engine parts installed as outlined in Shop Dope Bulletin No. 392, dated 11-27-57.

Exhaust valves, valve spring upper collars, and keys (items 5, 6 and 7) must be used to replace rotator type exhaust valve parts.

### XL MODEL

Kit parts can also be applied to any XL engine which does not have XLH engine parts installed, providing Tappets, Part No. 18523-57, are replaced with XLH Tappets, Part No. 18508-52. These tappets are not supplied as part of kit and must be ordered separately.

HARLEY-DAVIDSON MOTOR CO.  
Milwaukee 1, Wis., U.S.A.

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)**