



INSTRUCTIONS

-J00097

2013-11-01

REAR AXLE KIT

GENERAL

Kit Numbers

41110-79A, 41563-77A

Models

Kit No. 41563-77A is designed for use on 1979 and later XL models.

Kit No. 41110-79A is designed for use on:

- 1986 and later Softail models
- 1982 and later FXR models
- 1980 and later FLT models
- 1980-1984 FXSB and FXS models
- 1984-1986 FXWG models
- 1983-1984 FLH models
- 1982 FLH Classic models

Kit Contents

Table 1. Kit Contents

Quantity	Description
1	Cotter pin or spring clip
1	Washer
1	Castle nut
1	Rear axle

NOTE

All Part No. 41563-77A kits contain cotter pin, Part No. 511. Some Part No. 41110-79A kits may contain cotter pin, Part No. 511; later Part No. 41110-79A kits will have spring clip, Part No. 510. Refer to the applicable Parts Catalog to find Part No. of kit component parts. The rear axle is not sold separately.

▲ WARNING

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333b)

NOTE

A service manual for your motorcycle is available at your Harley-Davidson Dealer.

INSTALLATION

1. See the service manual. Remove rear axle. Discard old washer, nut, and rear axle.
2. See the service manual. Install the rear axle.

3. See the service manual. If needed, adjust the drive chain or belt.
4. Tighten castle nut to correct torque value given below:
 - a. On 1986 and later models, tighten castle nut to 81.3 N·m (60 ft-lbs). If slot in the nut and axle do not align well enough to permit installing cotter pin or spring clip, tighten nut enough to permit installation without exceeding 88.3 N·m (65 ft-lbs).
 - b. On 1985 and earlier models, tighten castle nut to 74.5–81.3 N·m (55–60 ft-lbs).
5. See the service manual. Check rear wheel end play.
6. See Figure 1 and Figure 2. Install cotter pin or spring clip as shown (always use the kit's cotter pin, Part No. 511 on XL models). When installing cotter pin bend the cotter pin ends as shown in Figure 1. When installing spring clip (using a slip-joint pliers to press the clip in place) make sure the curved leg of the clip wraps around the outside diameter surface of the axle shaft as shown in Figure 2.

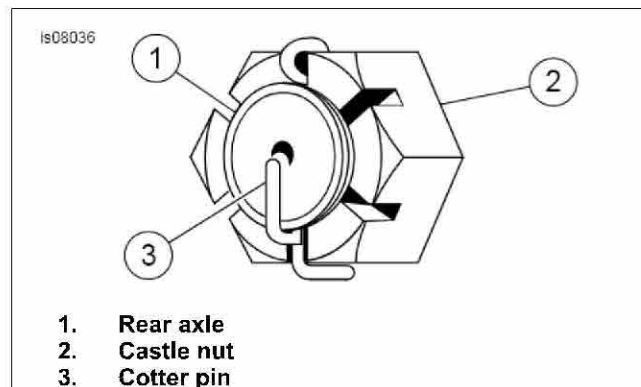


Figure 1. Castle Nut and Cotter Pin - Installed - XL Models

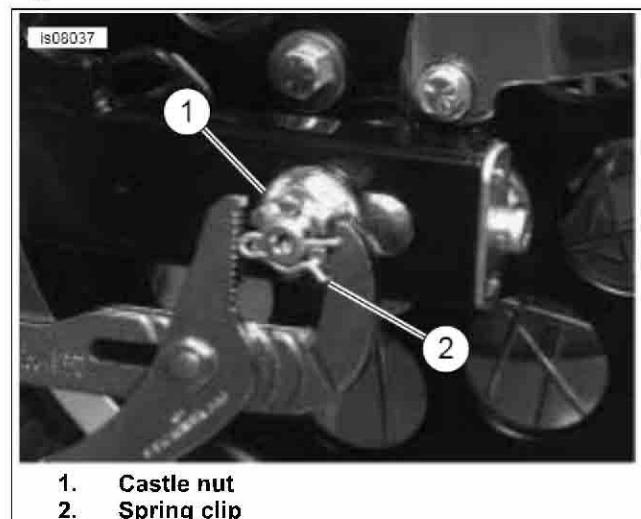


Figure 2. Castle Nut and Spring Clip - Installed - Big Twin Models