



INSTRUCTIONS

-J01093

REV. 12-1-89

Kit Number 26909-79A

XL CRANKCASE BREATHER VALVE KIT

General

Crankcase breather valve kit 26909-79A can be installed on 1979 to Early 1984 XL models which have a generator charging system.

CAUTION

Do not install this kit on Late 1984 and Later XL models which have an alternator charging system. These models do not use an oil separator washer, and they require a different style crankcase breather valve.

This kit contains the following parts:

QTY.	DESCRIPTION
1	Check valve, crankcase breather
1	Washer, oil separator

See Figure 1. The late-style crankcase breather check valve in this kit incorporates a rubber umbrella valve attached to a base plate. It replaces the early-style reed valve assembly, which was original equipment on 1979 to Early 1982 XL models.

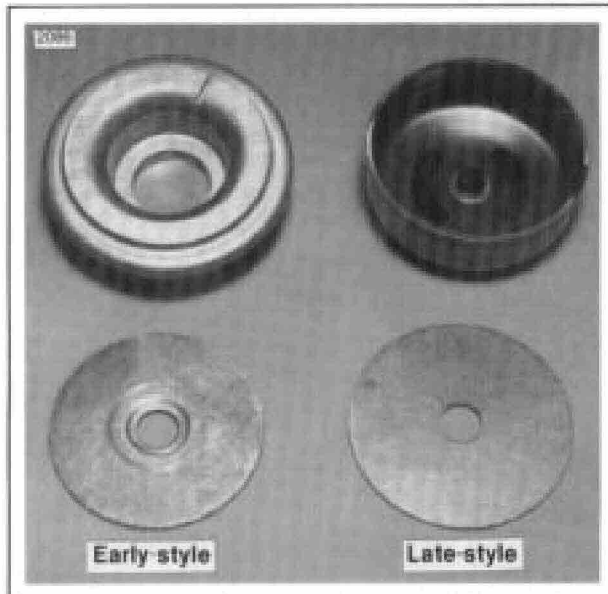


Figure 1. Crankcase Breather Valve

See Figures 1 and 4. The late-style oil separator washer in this kit has an outside diameter of 1-3/4 in. It replaces the early-style smaller O.D. (1-5/8 in.) washer, which was original equipment on 1979 to Early 1982 XL models.

NOTE

When the late-style crankcase breather valve from this kit is installed on 1979 to Early 1982 XL models, the late-style larger O.D. washer must also be installed; excessive "oil carry-over" might otherwise result. Since the late-style washer is already installed as original equipment on Late 1982 to Early 1984 XL models, replace the washer on these models only if it is damaged.

Installation - 1979 To Early 1982 XL Models

1. Refer to the appropriate Service Manual for gearcase cover and generator removal.
2. See Figure 2. Use bushing and bearing puller tool kit (Part No. HD-95760-68), along with 5/8 in. tool collet (Part No. HD-95766-69), to remove early-style reed valve.



Figure 2. Early-Style Reed Valve Removal

3. See Figure 3. Install late-style breather valve from kit until the base plate shoulder seats squarely on gearcase cover casting.

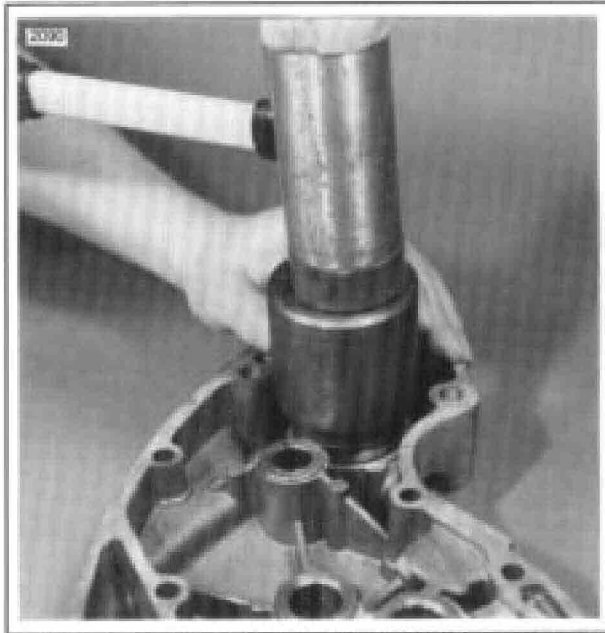


Figure 3. Late-Style Breather Valve Installation

4. See Figure 4. Remove generator armature gear shaft nut, gear shaft washer, and early-style oil separator washer from kit, install late-style oil separator washer from kit, gear shaft washer, and gear shaft nut on armature shaft. Tighten armature gear shaft nut to 6 - 8 ft-lbs torque.

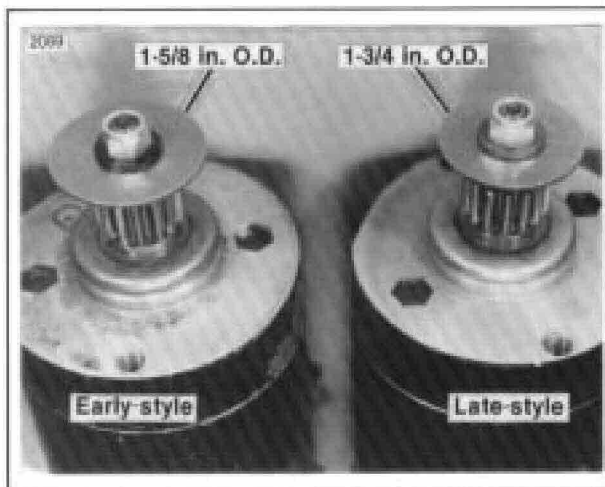


Figure 4. Oil Separator Washer Installation

5. Refer to the appropriate Service Manual for gearcase cover and generator installation.

Installation - Late 1982 to Early 1984 XL Models

1. Refer to the appropriate Service Manual for gearcase cover removal.
2. On the breather valve to be removed from gearcase cover, press out rubber umbrella valve from its metal base plate. See Figure 5. Use a slide hammer with a self-tapping or expandable tip (inserted to base plate center hole) to remove base plate. Remove and discard loose rubber umbrella valve.

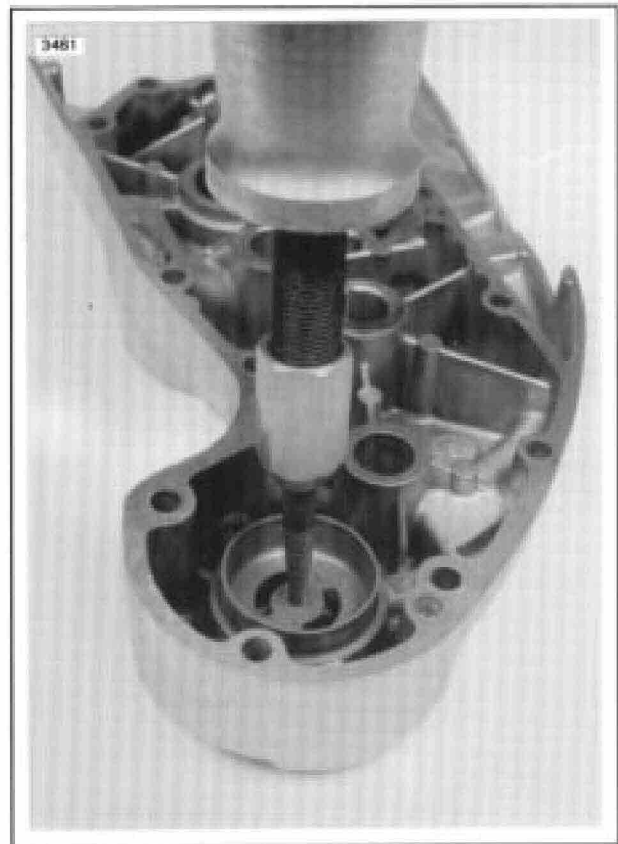


Figure 5. Late-Style Breather Valve Removal

3. See Figure 3. Install late-style breather valve from kit until the base plate shoulder seats squarely on gearcase cover casting.
4. Refer to the appropriate Service Manual for gearcase cover installation.