

# SERVICE BULLETIN



M-945

May 1, 1987

## OILING SYSTEM CHECK VALVE-XL MODELS

### General

See Figure 1. Beginning with the crankcase numbers listed below, a new style check ball and spring are being installed in the Sportster engines.

CRANKCASE NO.	MODEL
1787-104-041	883cc
1887-105-001	1100cc

The new check ball and spring will retrofit to all 1986 & later Evolution Sportster engines. The check ball and spring will replace the brass check valve Part No. 26435-76A used previously.

### Ordering Information

The new check ball and spring will be sold individually. The new part numbers are listed below.

DESCRIPTION	NEW PART NO.
Check ball	26437-86
Spring	26436-86

### Installation

1. Remove oil filter.
2. Remove filter adapter (1) from mount (2).
3. Push check valve (3) from filter adapter (1) with a 5/16 in. diameter rod. Discard old check valve (3) and o-ring (4).

#### CAUTION

See Figure 2. When installing the oil filter adapter, the end with the smaller inside diameter must always face the check ball. If the ends are reversed the ball will not seat properly and allow oil to drain into the engine crankcase. This condition could damage the engine.

4. Apply Loctite 242 (blue) to the threads at the end (small inside diameter) of adapter (1).

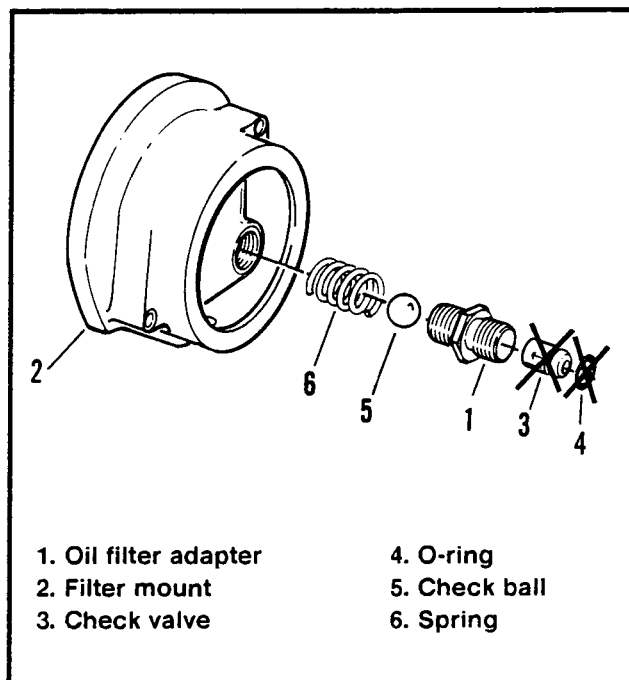


Figure 1. Oil Filter Mount

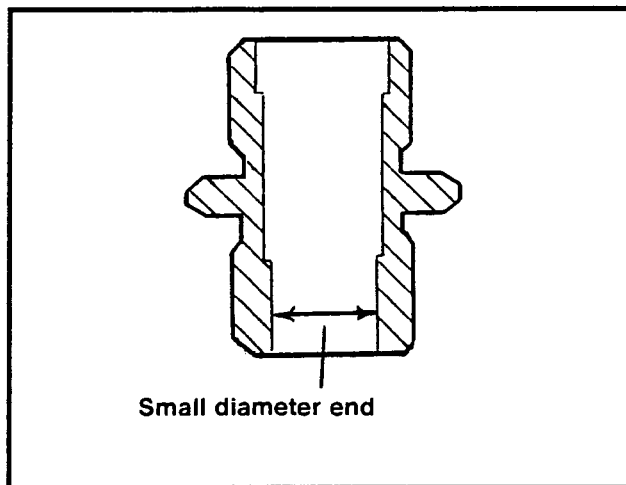


Figure 2. Section Through Adapter

ROUTING:	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO:
INITIAL HERE									

5. Place spring (6) and ball (5) into threaded hole at center of mount (2). Push adapter (1) against ball to compress spring. Turn threaded end (with Loctite) into threaded hole at center of mount (2) and tighten to 8-12 ft. lbs. torque.

### Service Manual Note

Please put a note in your dealership Service Manuals

referencing this Service Bulletin number. The following manual should have the note inserted:

SERVICE MANUAL PART NO.	SECTION NO.	SUBJECT
99484-87	3	Oil Filter Mount