



INSTRUCTIONS

-J01153

REV. 10-1-90

Kit Number 29039-85, 29051-85

EIGHT-INCH ROUND AIR CLEANER KIT

General

Kit 29039-85 may be installed on any 1971 and later Harley-Davidson motorcycle with original equipment carburetor.

Kit 29051-85 may be installed on 1984 and later Harley-Davidson motorcycles equipped with Evolution™ engine with eight in. round air cleaner assembly.

CAUTION

Harley-Davidson® motorcycles equipped with some Screamin' Eagle® high-performance engine parts may not be used on public roads, and in some cases must be restricted to closed course competition. This engine-related performance part is intended for racing application, and is not legal for sale or use in California on pollution-controlled motor vehicles.

On all motorcycles, except 1984 and 1985 1340cc Evolution models, a new air cleaner support bracket must be installed. Air cleaner support bracket is not included with kit. See your Harley-Davidson dealer.

Air cleaner support bracket part numbers are:

For Engine	Use Air Cleaner Bracket Harley-Davidson Part No.
Evolution 1340cc	29116-83 (preferred) or 28183-85
Shovelhead	29182-85
Sportster 1000cc	29184-85
Sportster Evolution	29193-86

Kit Part No. 29039-85 contains:

QTY.	DESCRIPTION
1	Venturi
3	Screw, button head, hex socket
1	Self-locking nut
1	*Washer
1	*Screw, button head, hex socket cap
1	*Air cleaner cover
3	Nut, hex
1	Air cleaner insert
3	Washer, nylon
1	Filter element
1	O-ring
1	Backplate
1	Hose clamp
1	Tube fitting

* Kit Part No. 29051-85 contains all items except those indicated by asterisk.

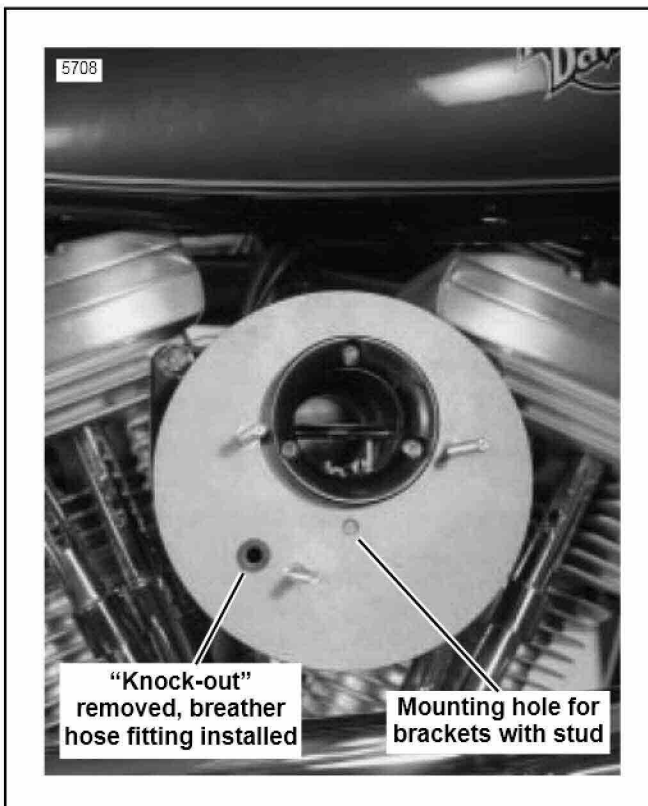


Figure 1. Air Cleaner Backplate Installed

Installation

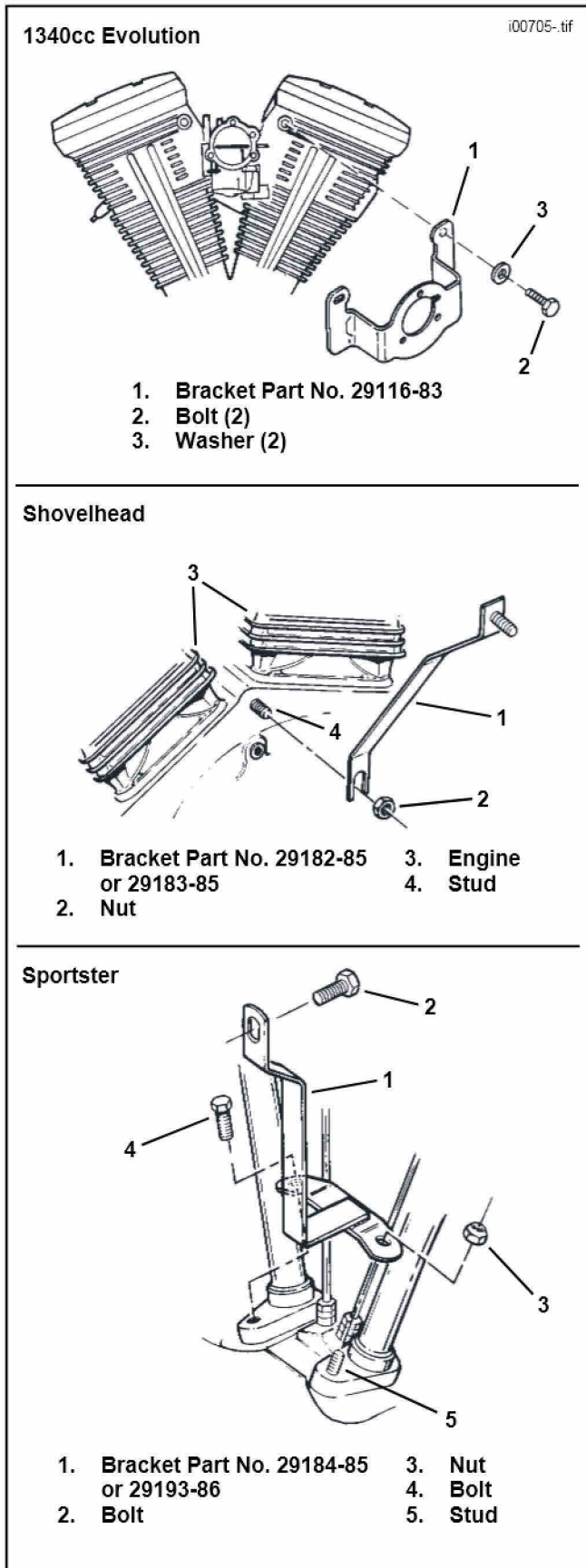
1. Remove air cleaner cover, filter element and backplate from motorcycle.
2. See Figure 1. If vehicle is equipped with crankcase breather vented to the air cleaner, it will be necessary to remove the "knockout" from the backplate in this kit, support backplate and remove "knockout" with a hammer and punch.

Install O-ring on breather hose fitting. Insert fitting in backplate as shown.

Place hose clamp on breather hose. Install hose over fitting (hose end should contact rear of backplate). Secure hose to fitting with clamp.

- See figure 2. On all motorcycles except 1984 and 1985 1340cc models, install appropriate air cleaner support bracket to crankcase as shown.

- All models, except stock Evolution 1340cc, install a new air cleaner to carburetor gasket between carburetor and backplate, place backplate on threaded stud bolt of air cleaner bracket and secure with locknut.



See Figure 1. Stock Evolution 1340cc air cleaner support bracket does not have a stud and does not require use of the backplate mounting hole. Seal the backplate hole with RTV Silicone Sealant or equivalent. Install a new air cleaner to carburetor gasket between air cleaner bracket and backplate.

NOTE

If air cleaner bracket was removed, install a new gasket between carburetor and bracket. Align venturi with backplate holes. Install socket head screws through venturi, then backplate to carburetor.

NOTE

Venturi is notched on rear face for float bowl venting. No additional venting is required.

- Install filter element on backplate studs. Filter element is pre-oiled for convenience.
- Place a nylon washer and a thin locknut on each stud. Tighten firmly.

CAUTION

Do not overtighten. Overtightening locknuts will deform filter element.

- Install air cleaner cover on filter. Secure cover with washer and socket head screw. Tighten screw to 12-17 ft. lbs.

Servicing Air Cleaner

Under normal operating conditions on paved surfaces, service is recommended once a year or every 5,000 miles whichever occurs first.

- Remove air cleaner cover.
- Remove air filter element.
- To clean filter, roll it in a shallow amount of filter cleaner/degreaser (3/4 the depth of one pleat). Do not let dirty solution run to inside of filter. Let filter sit for 5 minutes to dissolve dirt. From the inside out, rinse the filter with cold water. Shake and allow to air dry. do not use air hose!
- Re-oil filter using Air filter Oil. Apply along the full length of each pleat and allow to set until the element is a uniform color. Allow excess oil to drain off.
- Reinstall element and cover.

Figure 2. Bracket Mountings