



# INSTRUCTIONS

J06628

2019-01-15



## SCREAMIN' EAGLE EXTREME HEAVY BREATHER AIR CLEANER KIT

### GENERAL

#### Kit Numbers

29400387, 29400388

#### Models

For model fitment information, see the P&A retail catalog or the Parts and Accessories section of [www.harley-davidson.com](http://www.harley-davidson.com) (English only).

#### NOTE

- These kits are intended for High Performance applications only. Engine-related performance parts are intended FOR THE EXPERIENCED RIDER ONLY.
- When washing motorcycle, cover air filter to prevent water from entering the engine.

#### Installation Requirements

LOCTITE 243 MEDIUM STRENGTH THREADLOCKER AND SEALANT (BLUE) (99642-97) is required for proper installation of this kit.

#### ⚠ 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

This instruction sheet references service manual information. A service manual for this year/model motorcycle is required for this installation. One is available from a Harley-Davidson dealer.

#### NOTICE

You must recalibrate the ECM when installing this kit. Failure to properly recalibrate the ECM can result in severe engine damage. (00399b)

Proper installation of this kit requires ECM calibration. Contact a Harley-Davidson dealer for details.

#### Kit Contents

See Figure 2 and Table 1.

### PREPARE

#### ⚠ WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, remove main fuse before proceeding. (00251b)

#### ⚠ WARNING

When servicing the fuel system, do not smoke or allow open flame or sparks in the vicinity. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury. (00330a)

1. Remove main fuse. See the service manual.

### REMOVE ORIGINAL EQUIPMENT (OE) AIR CLEANER

1. Remove OE air cleaner assembly. See the service manual.
2. See Figure 1. Remove and discard induction module support bracket and mounting screws.

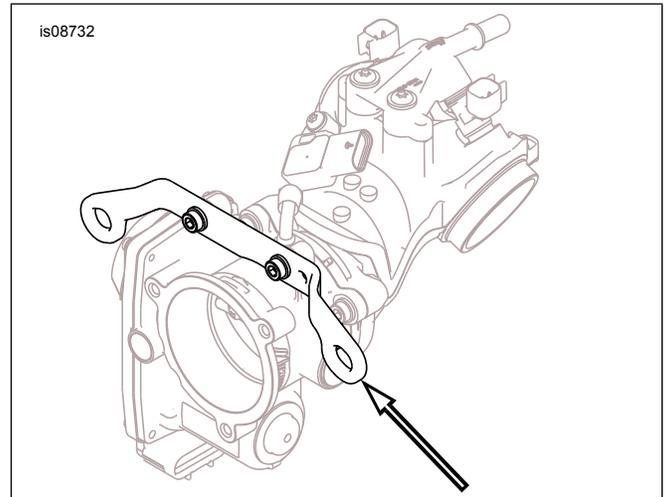


Figure 1. Induction Module Support Bracket

### INSTALL BACKPLATE AND INTAKE TUBE

1. Install gasket (8).
  - a. Peel the protective strip off the gasket (8).
  - b. While aligning gasket and backplate (6) holes, place the adhesive side onto the backplate.
  - c. Firmly press the gasket in place.



2. Install square O-rings (7).
  - a. Peel the protective strips off the O-rings.
  - b. While aligning O-rings with breather holes, firmly press the O-rings into position.
3. Mount backplate.
  - a. Apply threadlocker to breather screw threads and mating tapped holes in cylinder heads.  
 LOCTITE 243 MEDIUM STRENGTH  
 THREADLOCKER AND SEALANT (BLUE)  
 (99642-97)
  - b. Insert breather screws (3) through O-rings (5) and the backplate.
  - c. Insert three screws (1) through backplate.
  - d. Apply threadlocker to exposed screw threads.  
 LOCTITE 243 MEDIUM STRENGTH  
 THREADLOCKER AND SEALANT (BLUE)  
 (99642-97)
  - e. Without tightening, thread breather screws into cylinder heads.
  - f. Without tightening, thread backplate screws into induction module.
  - g. Tighten breather screws.  
 Torque: 29.8–32.5 N·m (22–24 ft-lbs) *Breather screws*
4. Tighten backplate screws.  
 Torque: 6.2–6.8 N·m (55–60 **in-lbs**) *Backplate screws*
5. Install intake tube (2).
  - a. Install the round seal (4) in groove on backplate side of intake tube.
  - b. Apply threadlocker to threads of three screws (1).  
 LOCTITE 243 MEDIUM STRENGTH  
 THREADLOCKER AND SEALANT (BLUE)  
 (99642-97)
  - c. Using a ball-end hex driver, secure intake tube (2) to backplate (6) with screws. Tighten.  
 Torque: 6.2–6.8 N·m (55–60 **in-lbs**) *Intake tube screws*

## INSTALL AIR FILTER

1. **NOTE**  
*This air filter is PRE-OILED and ready to install.*

Install air filter (12).

- a. Install the elliptical seal (11) in groove on air filter.

- b. Apply threadlocker to threads of four screws (1).  
 LOCTITE 243 MEDIUM STRENGTH  
 THREADLOCKER AND SEALANT (BLUE)  
 (99642-97)
- c. Using a ball-end hex driver, secure air filter and decorative cap (10) to intake tube with screws. Tighten.  
 Torque: 6.2–6.8 N·m (55–60 **in-lbs**) *Air filter screws*

## COMPLETE

1. If removing the Original Equipment (OE) intake you must apply the provided Warning Label in a clearly visible area. We suggest attaching the sticker to the following:
  - a. **Touring/Trike:** Right side battery cover or inner primary.
  - b. **Softail:** Right side steer head casting.
2. Install main fuse. See the service manual.

## AIR FILTER ELEMENT MAINTENANCE

1. Inspect the air filter element every:  
 8,000 km (5,000 mi)
  - a. Inspect more often under dusty conditions.
2. Replace air filter element every:  
 80,000 km (50,000 mi)

3. **NOTE**  
*\* The use of cleaning, drying or oiling methods or products other than those shown, damages the filter and can void the manufacturer's warranty.*

*\* K&N<sup>®</sup> Air Filter Cleaner is available from a Harley-Davidson dealer, either alone [0.95L (1 qt) sprayer bottle, Part No. 99883-88T] or as a 0.35L (12 fl oz) sprayer bottle as part of the Filter Care Service Kit (Part No. 99850-92T).*

*\* K&N Air Filter Oil is also available from a Harley-Davidson dealer, either alone [347 g (12.25 oz) aerosol can, Part No. 99882-88T] or as a 184 g (6.5 oz) aerosol can as part of the Filter Care Service Kit.*

*\* DO NOT OVER-OIL THE AIR FILTER. Over-oiling can interfere with the proper performance of the engine and/or certain engine components. If oil is still draining or dripping from the filter media 20 minutes after oiling, clean and oil the filter element again.*

To clean the element:

- a. Using a ball-end hex driver, remove the four screws retaining the air filter element and decorative cap to the intake tube. Separate the element from the air tube.
- b. Inspect elliptical seal for damage.

- c. Tap the element to dislodge any loose dirt. Gently brush with a soft bristle brush.
  - d. Spray air filter cleaner liberally onto the cotton filter media and let soak for ten minutes, OR roll or soak the cotton filter media in a shallow pan of air filter cleaner. Remove immediately, and let soak for ten minutes.
  - e. Rinse off the filter media (flowing from the **clean** side to the dirty side), with low-pressure tap water.
  - f. After rinsing, shake off all excess water, and let the filter media air dry. DO NOT use compressed air or a heat gun to speed drying.
  - g. After the filter media is **completely** dry, EITHER carefully use a squeeze bottle to deposit air filter oil along each pleat, once only, OR spray oil along each pleat, once only, holding the spray nozzle away from the media approximately:  
76 mm (3 in)
  - h. **Let the oil absorb into the filter media for 20 minutes before proceeding.** After 20 minutes, inspect the filter media. Carefully apply oil to any remaining visible white spots on the filter media. Allow oil to absorb.
4. Install air filter (12).
- a. Install the elliptical seal (11) in groove on air filter.
  - b. Apply threadlocker to threads of four screws (1).  
LOCTITE 243 MEDIUM STRENGTH  
THREADLOCKER AND SEALANT (BLUE)  
(99642-97)
  - c. Using a ball-end hex driver, secure air filter and decorative cap (10) to intake tube with screws. Tighten.  
Torque: 6.2–6.8 N·m (55–60 **in-lbs**) *Air filter screws*

# SERVICE PARTS

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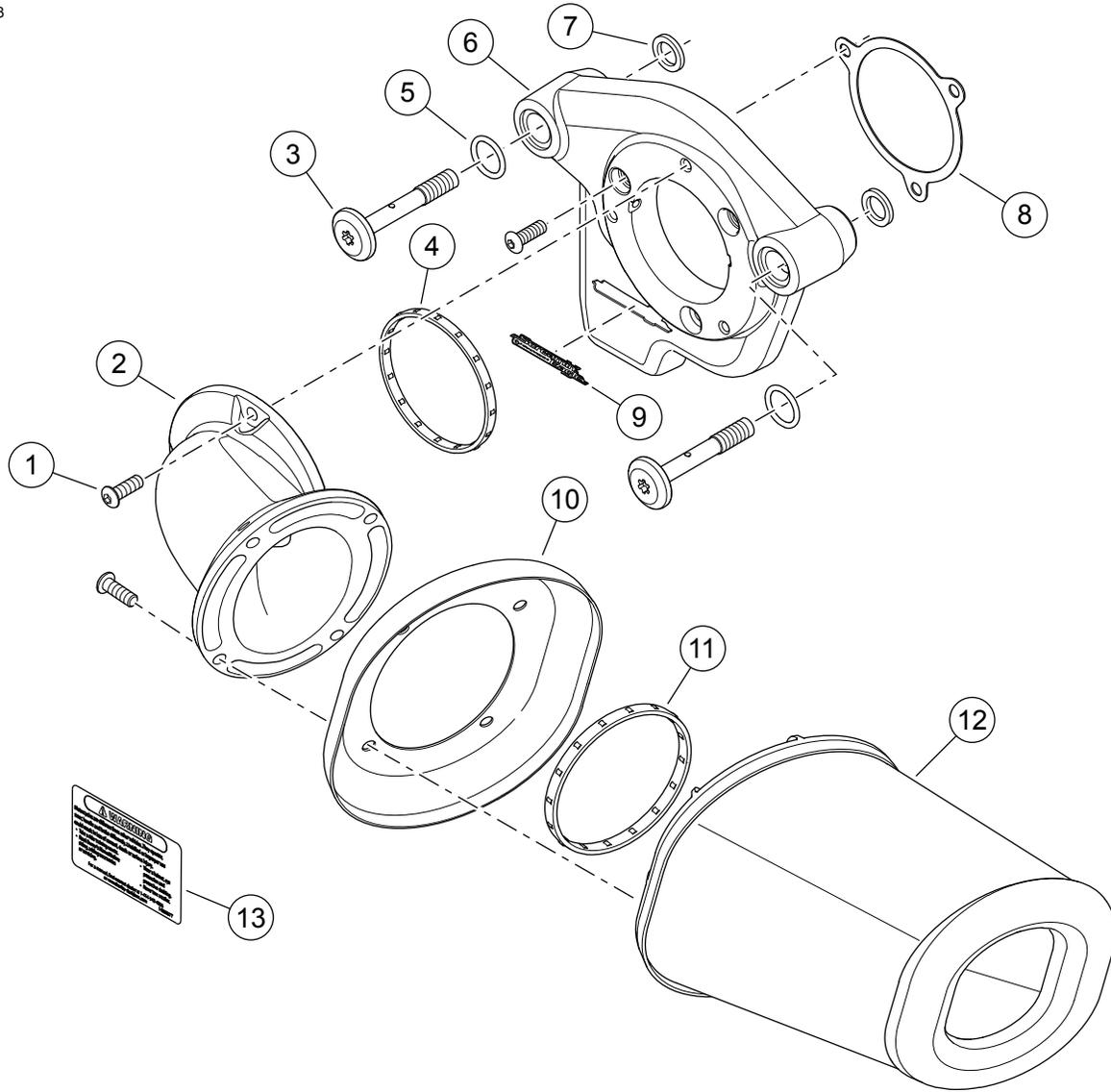


Figure 2. Service Parts: Screamin' Eagle Extreme Heavy Breather Air Cleaner Kit

Table 1. Service Parts

Item	Description (Quantity)	Part Number
1	Screw (10)	923
2	Intake tube, chrome	Not sold separately
	Intake tube, black	Not sold separately
3	Breather screw (2)	29400283
4	Seal, round	29000251
5	O-ring (2)	11900040
6	Backplate, chrome	Not sold separately
	Backplate, black	Not sold separately
7	Square ring (2)	11900042
8	Gasket, backplate	29000149
9	Medallion	14101041
10	Decorative cap, air filter element	61300957
11	Seal, elliptical	29000250
12	Filter, air	29400369
13	Warning label	14000377