

INSTRUCTIONS

49018-88A

REV. 2-94

ENGINE GUARD

General

This kit is designed for installation on XL models from late 1984 to present. (See note below for installation on 1982 to early 1984 XL and XR-1000 models.)

QTY DESCRIPTION

Guard, engine

1 Bracket, engine guard support (long)

2 Bolt, 3/8-24 x 1-1/4 in.

2 Locknut, 3/8-24

2 Washer, 3/8 in, flat

2 Washer, 5/16 in, flat

2 Screw, socket head, 5/16-18 x 1-1/2 in.

1 Bolt, 3/8-24 x 5-1/2 in.

1 Bolt. 3/8-24 x 5 in.

WARNING

This guard may provide limited leg and cosmetic vehicle protection under unique circumstances (fall over while stopped, very low speed slide). It is not made nor intended to provide protection from bodily injury in a collision with a vehicle or any other object.

NOTE

This kit can also be installed on 1982 - early 1984 XL and XR-1000 models (equipped with generator) with the purchase of short engine guard support bracket, Part Number 49014-85. It is not included with this kit. Installation procedures are on Page 2 of this instruction sheet.

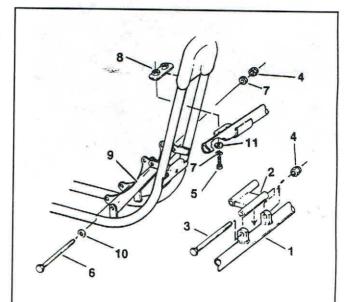
Installation- Late 1984 and Later XL Models (Equipped with Alternator)

Remove screws (5), lockwashers (7) and flat washers (11) from underside of steering head as shown in Figure 1. Discard original screws (5). Retain lockwashers for reassembly.

CAUTION

See Figure 1. Late-1994 and later models have a nut plate with 3/8-16 threads. Retain original screws (5) for reuse on these models. Installing the 3/8-24 x 1-1/4 in. bolts from kit will damage threads in nut plate and on

2. See Figure 1. Remove bolts (6), washers (10 and 7) and nuts (4) that attach motor mounts (9) to upper brackets on frame downtube. Discard original bolts and nuts. Retain washers for reassembly.



1. Guard

7. Lockwasher (orig.)

2. Bracket

8. Nut plate

3. Bolt, 3/8-24 x 5 in.

9. Motor mount

4. Locknut, 3/8-24

10. Washer, flat, 3/8 in.

5. Screw, socket head 11. Washer, flat, 5/16 in.

6. Bolt, 3/8-24 x 5-1/2 in.

Figure 1. Installation (Alternator Models)

- 3. See Figures 1 and 2. Place original washer (10) on 5-1/2 in. hex head bolt (6). Insert bolt (6) through downtube, through the offset end of bracket (2) and (with large offset toward jiffy stand side of vehicle) through second downtube. Place remaining original washer (10) on end of bolt (6) and secure with locknut (4). Check to see that bracket does not pinch wiring. On 1986 and later models, check to see that bracket does not contact oil pressure switch.
- See Figure 1. Position guard (1) with upper mounting bracket under steering head and bracket (2) aligned with holes in frame downtube brackets. Place original lockwashers (7) (1984 and 1985 models) and flat washers (10) on socket head screws (5). Use 3/8-24 x 1-1/4 in. screws for 1986 through early-1994 models. Use 5/16-18 x 1-1/2 in. screws for earlier models. On late-1994 and later models, reuse the 3/8-16 x 1-1/4 in. stock bolts. Insert screws (5) through upper bracket on guard (1), through upper engine mount and thread into tapped holes in nut plate (8).

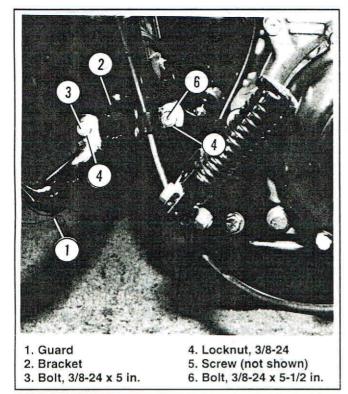


Figure 2. Bolt Positions-Late 1984 and Later XL Models

- Attach bracket (2) to guard (1) using bolt (3) and locknut (4), as shown.
- Tighten nut (4) on bolt (3) to 33 ft-lbs torque.
- See Figure 1. Tighten upper socket head mounting screw (5) to 19 ft-lbs torque.
- On 1986 models, remove clutch cable from clutch hand lever and route cable through engine guard. Install cable at hand lever and adjust freeplay according to procedure outlined in the 1986 XLH Service Manual.
- Check for interference of clutch and brake cables with engine guard when handlebars are turned fully to the right and left.

Installation- 1982 - Early 1984 XL Models and XR-1000 Models (Equipped with Generator)

NOTE

Read all instructions carefully before beginning installation. Cover front fender with a clean rag to protect it from scratches during installation procedures.

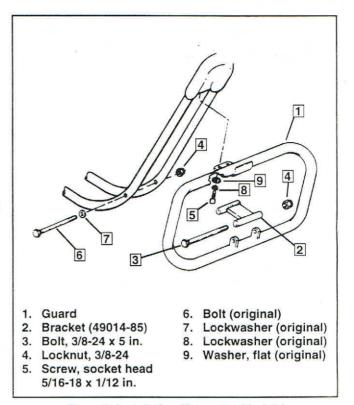


Figure 3. Installation (Generator Models)

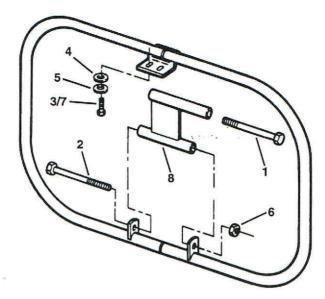
- See Figure 3. Remove screws (5), lockwashers (8) and flat washers (9) from underside of steering head. Discard original screws (5). Retain washers, locking and flat, for reassembly. Do not remove shim washers between frame and motor bracket.
- Remove bolt (6), spacer (7) and nut (4) at frame downtubes.
- Attach bracket (2), Part number 49014-85, to guard (1) using bolt (3) and locknut (4), as shown.
- 4. Position guard (1) with upper mounting bracket under steering head and bracket (2) aligned with holes in frame downtube. Place original lockwashers (8) and flat washers (9) on socket head screws (5). Insert screws (5) through upper bracket on guard (1), through upper engine mount and thread into tapped holes in steering head.
- Insert original bolt (6) through frame downtubes and bracket (2). Place new locknut (4) on bolt (6) and tighten to 33 ft-lbs torque.
- Tighten upper socket head mounting screws (5) to 19 ftlbs torque.

Service Parts

Part No. 49018-88A

Date 2/94

XL Engine Guard Kit



Item	Description	Part No.
1	Bolt	4333
2	Bolt	4313
3	Screw	4816A
4	Washer	6336B
5	Washer	6474
6	Locknut	7775
7	Screw	45999-81A
8	Bracket	49014-86