



# INSTRUCTIONS

J02822

2012-08-24

## ENGINE GUARD FOR 2004 AND LATER SPORTSTER

### GENERAL

#### Kit Number

49060-04, 49215-07

#### 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).

#### ⚠ WARNING

Rider and passenger safety depend upon the correct installation of this kit. 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. (00308b)

#### ⚠ WARNING

Front and/or rear guards are not intended to provide protection from bodily injury in a collision with another vehicle or any other object. (00022c)

#### NOTE

A Service Manual for your model motorcycle is available from a Harley-Davidson dealer.

### Kit Contents

Table 1. Kit Contents

Item	Description (Quantity)	Part Number
1	Screw, 3/8-16 x 1-1/2 inch (2)	4721
2	Screw, 3/8-16 x 3/4 inch (2)	4713W
3	Washer, flat 3/8 inch (4)	6026
4	Assembly, engine guard	Not sold separately

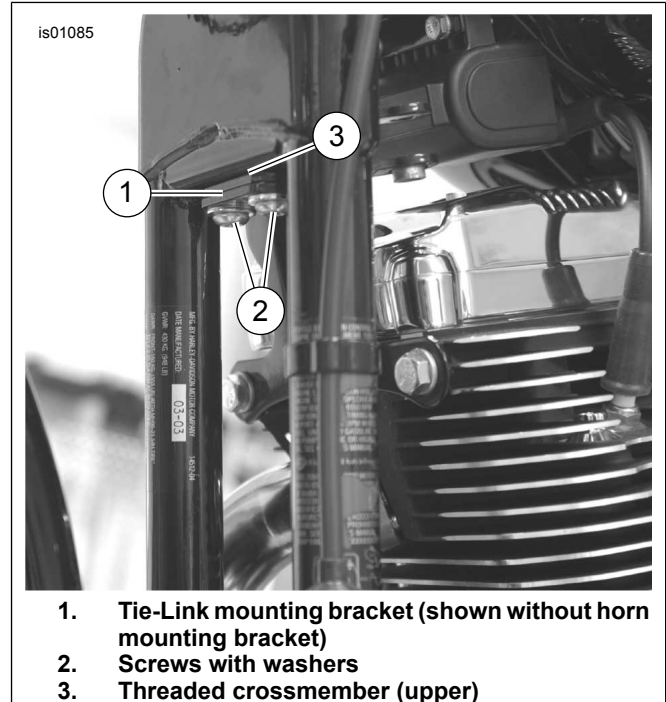
### INSTALLATION

#### NOTE

Cover front fender with a clean rag to protect it from scratches during installation procedures.

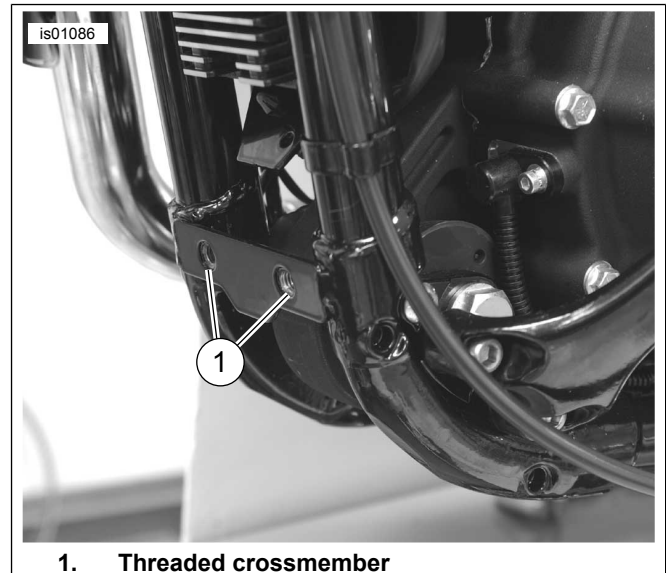
When performing the following steps you may also be removing the horn mounting bracket.

1. **Models with horn mounted between down tubes:** Note location of horn wires and remove the two horn connectors from the back of the horn.



1. Tie-Link mounting bracket (shown without horn mounting bracket)
2. Screws with washers
3. Threaded crossmember (upper)

Figure 1. Remove upper Tie-Link to Frame Hardware (XL 1200 Custom Shown)



1. Threaded crossmember

Figure 2. Lower Frame (threaded) Crossmember

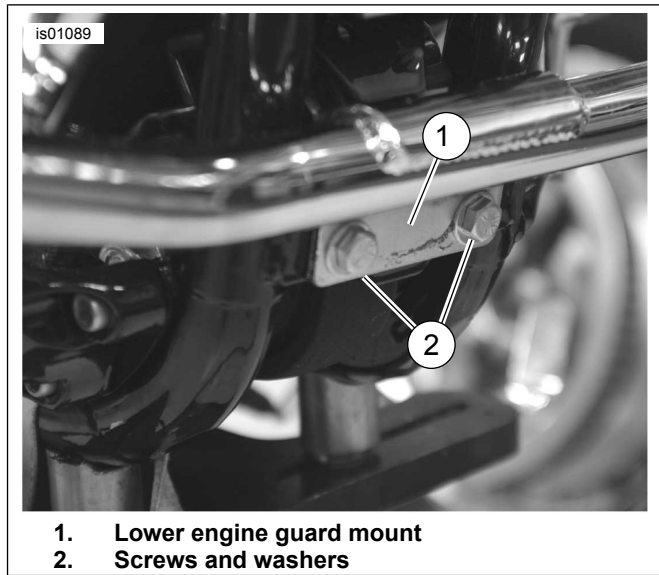
2. See Figure 1. Remove the two screws with washers (2) securing the upper tie-link assembly (1) and horn bracket if present to the upper front frame crossmember (3). Leave tie-link assembly in position. Discard screws and washers.

3. See Table 1. Obtain two 3/8-16 X 1-1/2 inch screws (1), two flat washers (3) and engine guard from kit (4).

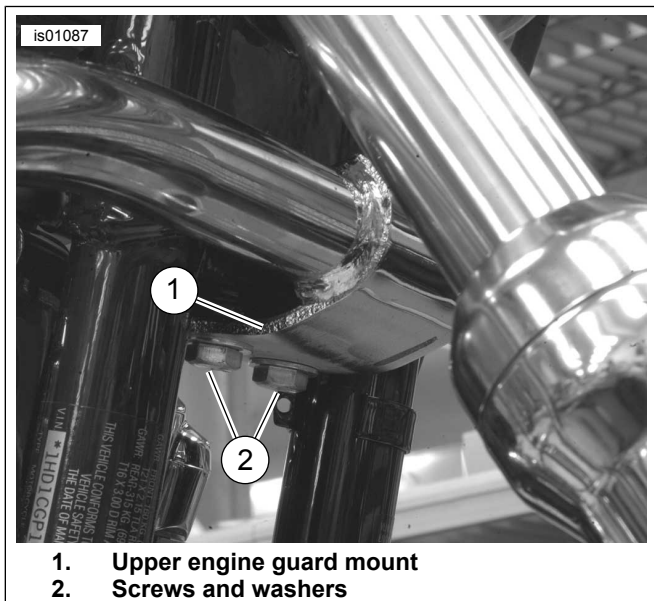
**NOTE**

*For Step 4, note that upper section of engine guard must be mounted between horn bracket and upper tie-link bracket. See Figure 3 noting that illustration does not show the horn mounting bracket.*

4. Figure 3 illustrates mounting without horn bracket and horn in place. Place flat washers on screws. Obtain horn bracket with horn if present. While holding engine guard and horn bracket in place at upper crossmember, install screws with washers (2) through horn bracket, upper engine guard mount (1), tie-link mounting bracket and thread into holes in upper frame crossmember. Tighten just enough to hold the assembly snug and in place.
5. See Table 1. Obtain two 3/8-16 X 3/4 inch screws (2) and two flat washers from kit (3).
6. See Figure 4. Install flat washers onto screws. Install screws (2) through lower engine guard mount (1) holes and thread into lower crossmember holes. Tighten until snug only.
7. By sight, carefully center the engine guard and hold in position.
8. Tighten the upper mounting screws to 34–47 N·m (25–35 ft-lbs).
9. Tighten the lower mounting screws to 34–47 N·m (25–35 ft-lbs).
10. Turn handlebars fully to the right and left and inspect for adequate clearance between the engine guard and the clutch and brake cables.



**Figure 4. Mount Lower Section of Engine Guard**



**Figure 3. Mount Upper Section of Engine Guard**