



# INSTRUCTIONS

-J03358

REV. 04-12-2004

Kit Number 59599-05

## FRONT FENDER TIPS KIT

### General

This kit fits all 1998 and later FLTRI and FLHRS/I model motorcycles.

This kit contains the following items:

QTY	DESCRIPTION	PART NO.
5	Push-on speed nut	8037
1	Trim skirt	59360-05
1	Trim kit	59209-91T
1	Front fender tip	59019-05

#### NOTE

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

### Installation

#### Prepare Motorcycle

1. Refer to the Owner's Manual and follow the instructions to remove the seat.

#### WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect negative (-) battery cable before proceeding. (00048a)

2. Disconnect the negative battery cable.
3. Block motorcycle so the front wheel is off the ground.

#### Remove Front Fender

1. Protect fender adjacent to brake caliper as accidental contact can occur during caliper removal.
2. Remove both the upper and lower mounting bolts from lugs of front fork leg to release brake caliper assembly.
3. Lift caliper upward to remove from brake disc. Using a cable strap, tie caliper to rail of engine guard.
4. Repeat to release caliper on opposite side of wheel.

#### NOTE

Do not operate the front brake hand lever with the calipers removed from the brake disc. The pistons may be forced out of the caliper. Reseating the pistons requires disassembly of the caliper.

5. Insert steel rod through hole in axle on right side of vehicle. While holding axle stationary, remove the axle nut, lockwasher and flat washer on the left side.
6. Loosen the two axle holder nuts at bottom of right fork leg.

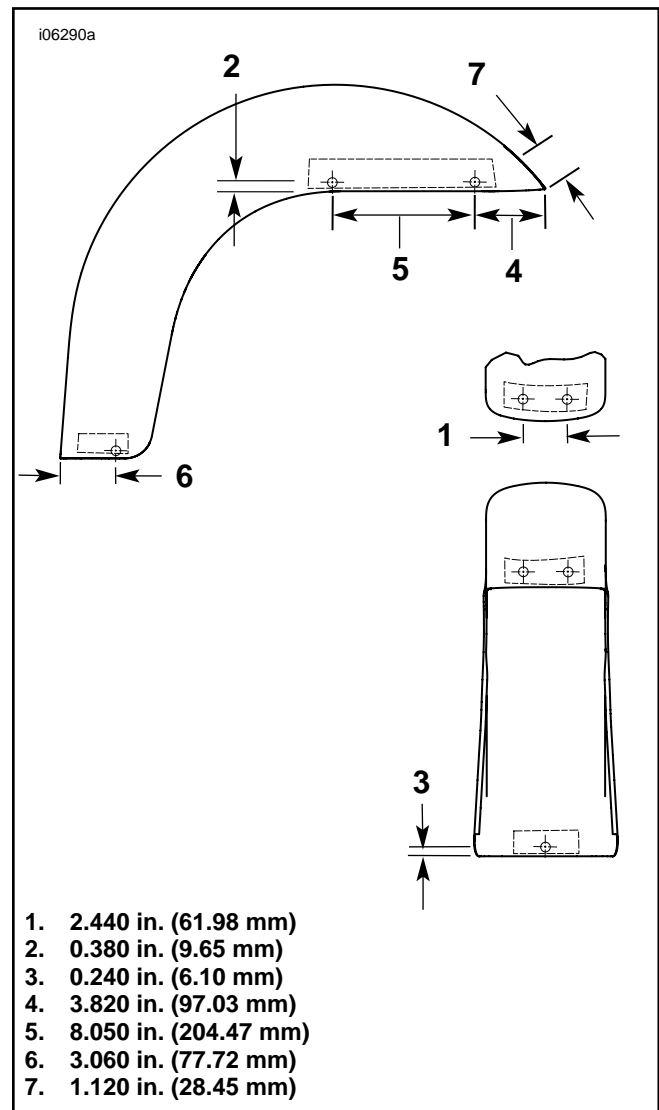


Figure 1. 0.250 in. (6.35 mm) Stud Hole Locations (dotted lines indicate masking tape)

7. With soft mallet, tap axle toward right side of vehicle until loose. Pull axle from hub while supporting wheel. Remove wheel.
8. Bend tabs on lockplates away from flats of four fender mounting bolts.
9. Remove mounting bolts and fender.
10. See Figure 1. With masking tape, tape tip of fender, along both edges behind the fender tip, the bottom lip of the fender and along the sides at the bottom lip. Cover all 9 stud hole locations.

### Trial Fit Fender Tip

1. See Figure 2. Carefully hold fender tip in position on the front of the fender and mark masking tape (1) with the fender tip mounting studs.
2. Mark a vertical line (2) in the center of each mark.
3. Use calipers to measure (5) from bottom edge of the fender. Mark a horizontal line (3) across each stud hole location.
4. Drill a 1/16 inch pilot hole at the stud hole centers, the intersection of the vertical and horizontal lines.
5. Drill a 1/4 hole after the pilot and remove burrs.
6. Trial fit the fender tip. Do **NOT** use the push-on speed nuts.

#### NOTE

If necessary use a tapered circular file to adjust the location of the stud holes. Enlarge the holes only in the direction of the adjustment.

### Trial Fit Side Trim

1. See Figure 3. Hold the fender tip in place and butt the side trim against the fender tip to mark the masking tape with a horizontal line (2) at the center of the side trim.
2. Use calipers to measure (4) from the front edge of the fender, mark a vertical line on the masking tape along both sides of fender.
3. Use calipers to measure (3) from the vertical line (Step 2.). Mark a vertical line on the masking tape along both sides of the fender.
4. Drill a 1/16 inch pilot hole at the stud hole centers, the intersection of the vertical and horizontal lines.
5. Drill 1/4 holes after the pilots and remove burrs.
6. Assemble the side trim with the small T-stud toward the rear and the larger toward the front.
7. Trial fit the side trim. If necessary use a tapered round file to adjust the holes vertical location.

#### NOTE

The T-studs will slide horizontally in the trim piece making horizontal adjustments to the holes in the fender unnecessary.

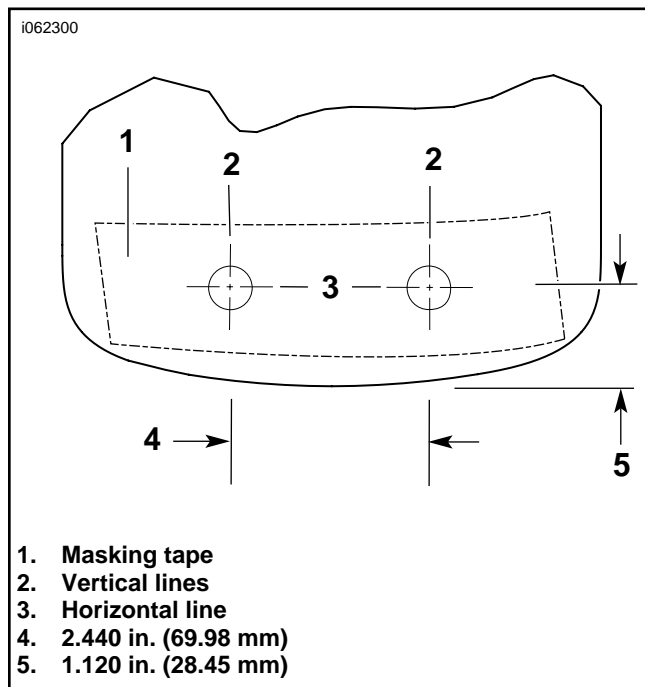


Figure 2. Fender Tip Stud Hole Locations

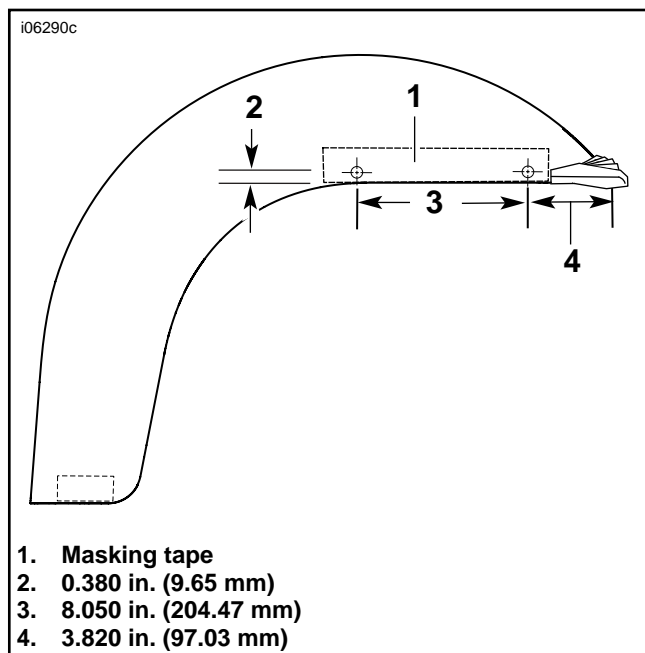


Figure 3. Side Trim Threaded Stud Locations

### Trial Fit Trim Skirt

1. See Figure 4. Holding fender bottom skirt trim in place on bottom edge of fender, mark location of center stud on masking tape.
2. Mark a vertical line (2) through the center of the mark.
3. Use calipers to measure from bottom edge of the fender. Mark a horizontal line across the vertical line.
4. Drill a 1/16 inch pilot hole at the stud hole center, the intersection of the vertical and horizontal line.
5. Drill a 1/4 inch hole after the pilot and remove burrs.
6. Trial fit the skirt trim.

#### NOTE

*If necessary, use a tapered round file to enlarge the hole to position the trim in the center of the fender and flush with the bottom edge. Enlarge the hole only in the direction of the adjustment.*

7. With the skirt trim stud fitted through the hole, use the 2 studs on the side of the trim skirt to mark the masking tape.
8. Mark a vertical line through the center of each mark.
9. Use calipers to measure (2) from the bottom edge of the fender and mark a horizontal line across the vertical line.
10. Drill 1/16 inch pilot holes at the stud hole centers, the intersections of the horizontal and vertical lines.
11. Drill a 1/4 inch hole after the pilots and remove burrs.
12. Trial fit the trim skirt and use a tapered round file to adjust the location of the stud holes as necessary.

### Finish the Fender

1. Pulling at a 90° angle, remove the masking tape without damaging the paint finish.
2. Dress the holes with emery cloth.

#### NOTE

*All surface finish treatments must be kept within the outlines of the trim pieces.*

3. Using touch-up paint, paint any bare metal around the stud holes. Allow the touch-up paint to dry.

#### NOTE

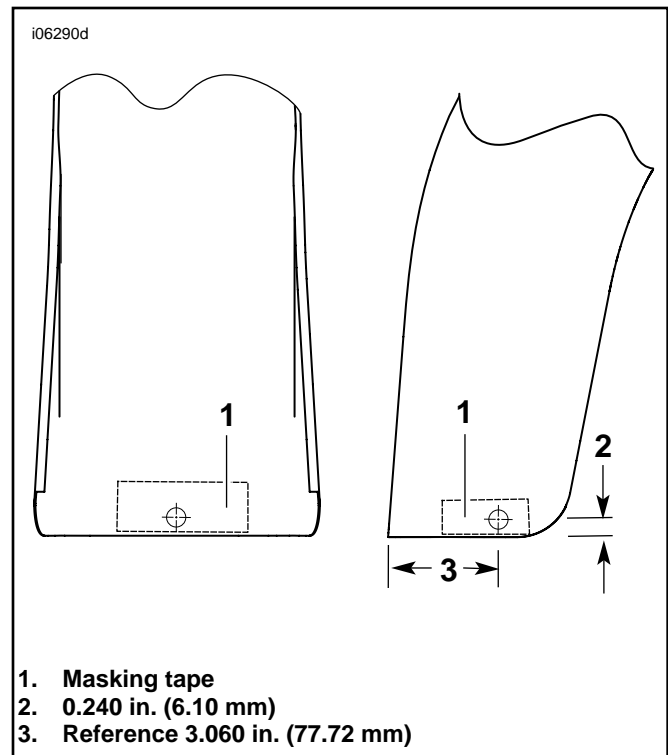
*Touch-up paint in paint pen or applicator bottles is available from your Harley-Davidson dealer.*

4. Clean the fender according to the Owner's Manual.

#### NOTE

*Harley® Spray Cleaner and Polish (Part No. 99817-99) is a convenient cleaner.*

5. Install the fender tip with push-on speed nuts.
6. Install the side trim with the threaded nuts and tighten to 10-15 **in-lbs** (1.2-1.7 Nm).



7. Install the trim skirt with push-on speed nuts.

**Figure 4 Trim Skirt Stud Hole Locations**

## Install Front Fender

1. Align mounting holes in fender and lockplates with those in fork tubes. Install 4 fender mounting bolts and tighten to 16-20 ft-lbs (22-27 Nm).
2. Bend tabs on lockplates against flats of fender mounting bolts.
3. Place wheel into position between forks with the valve stem on the right side of vehicle.
4. Coat the axle with anti-seize lubricant.
5. Support the wheel, and insert the threaded end of the axle through right fork leg. Push the axle through fork, short external spacer and wheel hub until it begins to emerge from left side.
6. With the three notches on the bearing side, push axle through long external spacer and left fork leg until axle shoulder contacts external spacer on right fork side.
7. Install flat washer, lockwasher and axle nut.
8. Insert screwdriver or steel rod through hole in axle on right side. Hold axle stationary and tighten axle nut to 50-55 ft-lbs (68-75 Nm).
9. Insert 7/16 inch drill bit into hole in axle.
10. Pull fork leg so that it just contacts drill bit, and then tighten axle holder nuts to 132-180 **in-lbs** (14.9-20.3 Nm).
11. Remove drill bit.
12. Install brake caliper:
  - a. Use shop rag or tape to protect fender adjacent to caliper. Accidental contact can damage the fender finish.
  - b. With the bleeder valve topside, position caliper so that the brake disc is situated between friction pads.
  - c. Align the upper mounting hole in caliper with upper mounting lug on fork leg and install long mounting bolt.
  - d. Install short caliper mounting bolt into lower lug of front fork. Tighten to 28-38 ft-lbs (37.9-51.5 Nm).
  - e. Tighten upper caliper mounting bolt to 28-38 ft-lbs (37.9-38 Nm).
  - f. Repeat for opposite caliper.

## Return Motorcycle to Service

1. Connect the negative battery cable.

### **WARNING**

**After installing seat, pull upward on front of seat to be sure it is in locked position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury. (00070a)**

2. Install the seat.

**After completing repairs or bleeding the system, always**

### **WARNING**

**test motorcycle brakes at low speed. If brakes are not operating properly or braking efficiency is poor, testing at high speeds may result in death or serious injury.**

3. Test ride motorcycle.