



# INSTRUCTIONS

-J02254

REV. 2007-01-02

## CHROME VENT LINE KIT

### GENERAL

#### Kit Number

33111-02

#### Models

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

#### Kit Contents

Table 1. Kit Contents and Service Parts

Item	Description (Quantity)	Part Number
1	Line, chrome vent	Not Sold Separately
2	Fitting, male, compression, chrome (crankcase) (includes items 3 and 4)	63007-02
3	• Seal, rubber	Not Sold Separately
4	• Nut, compression, chrome	Not Sold Separately
5	Fitting, compression, chrome (oil filler) (includes items 6 and 7)	63006-02
6	• Ferrule, brass	Not Sold Separately
7	• Nut, compression, chrome	Not Sold Separately

### PREPARATION

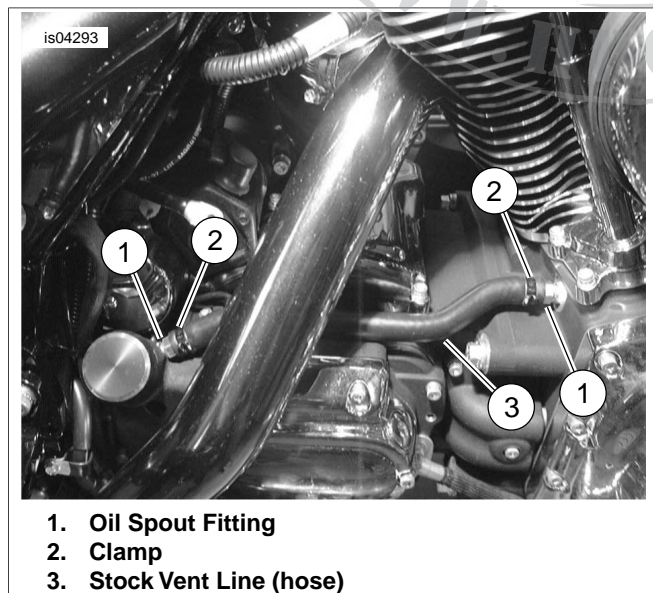


Figure 1. Removing Stock Vent Line

### Remove Stock Vent Line

- See Figure 1. Remove (cut) the steel clamps (2) securing each end of the stock vent line (hose) (3) to the fittings (1).
- Twist and pull line from fittings and remove. Discard vent line (hose) and steel clamps.
- Remove each of the fittings and discard. Carefully clean out any leftover sealant from inner threads at crankcase and oil fill locations.

### INSTALLATION

#### Install Chrome Vent Line

- Obtain the two Chrome Fittings from kit and note the difference.

#### NOTE

*There is a considerable difference between the fittings and each must be identified and installed to the correct location.*

*The fitting to be installed to the crankcase end is drilled out allowing the vent tubing to pass all the way through. This fitting will require the rubber seal with nut (installed to vent line) to seal properly.*

*The fitting to be installed to the oil spout is designed with an inner shoulder that tubing butts up against during installation. This fitting will require the brass ferrule with nut (installed to vent line) to seal properly.*

- Identify and obtain the crankcase end fitting. This fitting is drilled out (no shoulder inside).

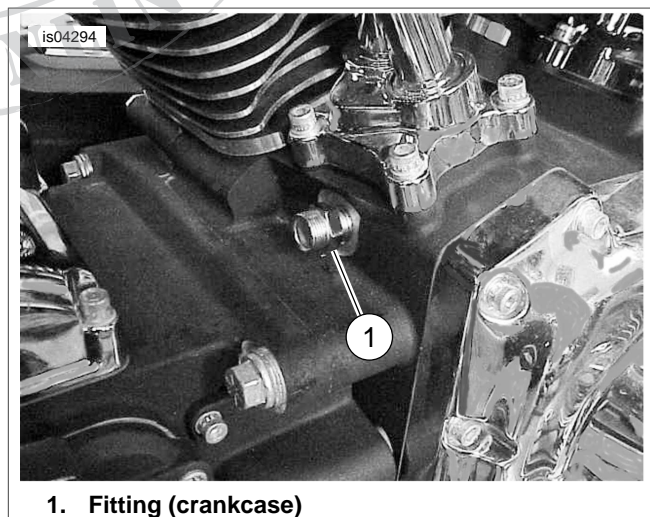
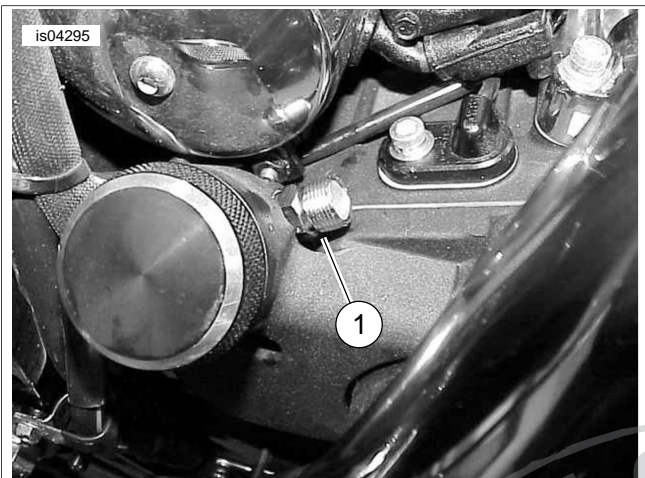


Figure 2. Install Crankcase End Fitting

- See Figure 2. Carefully thread (clockwise) fitting (1) into threaded opening in crankcase. Be extremely careful NOT to cross thread fitting. If fitting becomes hard to thread or

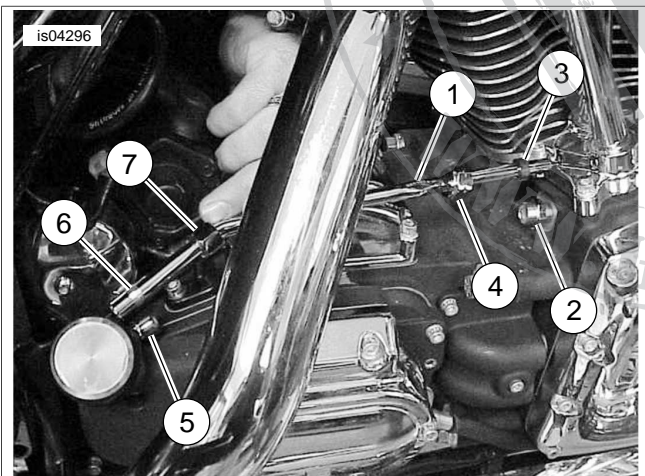
metal filings begin falling from fitting, STOP threading and back the fitting out. Carefully inspect the threaded opening and NPT side of fitting, then install again, making sure fitting is threading correctly. Tighten fitting to 10-14 ft-lbs (13.6-19.0 Nm).



1. Oil Spout Fitting

Figure 3. Install Oil Spout Fitting

4. Identify and obtain the oil spout fitting. This fitting is designed with an inner shoulder.
5. See Figure 3. Carefully thread (clockwise) fitting (1) into threaded opening in oil spout. Be extremely careful NOT to cross thread fitting. If fitting becomes hard to thread or metal filings begin falling from fitting, STOP threading and back the fitting out. Carefully inspect the threaded opening and NPT side of fitting, then install again, making sure fitting is threading correctly. Tighten fitting to 10-14 ft-lbs (13.6-19.0 Nm).



1. Chrome Vent Line ("s" bend toward crankcase)
2. Crankcase Fitting
3. Rubber Seal
4. Compression Nut (crankcase)
5. Oil Spout Fitting
6. Brass Ferrule
7. Compression Nut (oil spout)

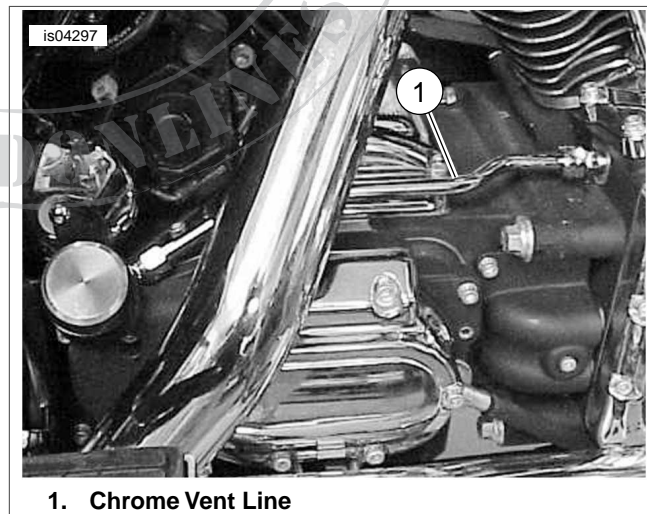
Figure 4. Install Vent Line Hardware

6. See Figure 4. Obtain chrome vent line (1), chrome nuts (4) and (7), rubber seal (3) and brass ferrule (6) from kit. With vent line oriented as shown (with "S" bend toward the crankcase end), install each nut onto the line with threaded portion of nut facing toward the end.
7. Install the rubber seal onto the vent line in position for installation to the crankcase fitting (2). Install the brass ferrule onto vent line in position for installation to the oil spout fitting (5).

**NOTE**

*You must install the vent line to the crankcase end first. The crankcase fitting allows the tube to pass through it which provides the clearance necessary for installing the line to the oil spout fitting without bending the tube.*

8. See Figure 4. Install the vent line into the crankcase fitting and slide it in far enough to be able to align the opposite end of the vent line with the oil spout fitting. You may need to slide the rubber seal up the vent line to allow enough movement.
9. Install (slide) the vent line into the oil spout fitting and push the line (with ferrule) into the fitting as far as possible (until the end of the vent line is completely butted against inner shoulder of fitting).
10. While holding the line in position, install the chrome nut onto the oil spout fitting and finger tighten.
11. At the crankcase end, slide the rubber seal down along vent line and position until it is snug inside fitting.
12. Install the chrome nut onto the crankcase end fitting and finger tighten.
13. See Figure 5. Examine length of vent line(1) to make sure adequate clearance exists and line runs parallel with transmission cover. If necessary, loosen chrome nuts and adjust.
14. Securely tighten each of the chrome nuts, but do NOT over tighten. Run engine and check for leaks.



1. Chrome Vent Line

Figure 5. Chrome Vent Line Installed