



# INSTRUCTIONS

J06700

2018-10-25



## COOLANT PUMP REPLACEMENT KIT

### GENERAL

#### Kit Number

26800107

#### 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).

#### Installation Requirements

- To reach difficult spring clamps use 24 INCH HOSE CLAMP TOOL (PART NUMBER: HD-52004).
- Crimping the clamps (Part No. 10344) HOSE CLAMP PLIERS (PART NUMBER: HD-41137) are needed.
- Harley-Davidson recommends using MATCO COOLING SYSTEM FILLER (PART NUMBER: MCR102A) and COOLING SYSTEM ADAPTER (PART NUMBER: MPT10128) or equivalent to vacuum test and fill the coolant system.

#### Kit Contents

Refer to Figure 19 and Table 1.

#### ⚠ 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.

### PREPARE

#### ⚠ CAUTION

Cooling fans operate automatically, even when the ignition switch is off. Keep hands away from fan blades. Contact with a rotating fan blade can result in minor or moderate injury. (00093a)

1. **NOTE**

See the service manual of the year and model vehicle that the service is being preformed on for the following steps.

Remove main fuse.

2. Drain cooling system.
3. Remove both fairing lowers.
4. Remove coolant pump and thermostat.
5. See Figure 1. Remove clamps (2) and hoses (1, 3, 5, 6).
6. Remove bracket (4).

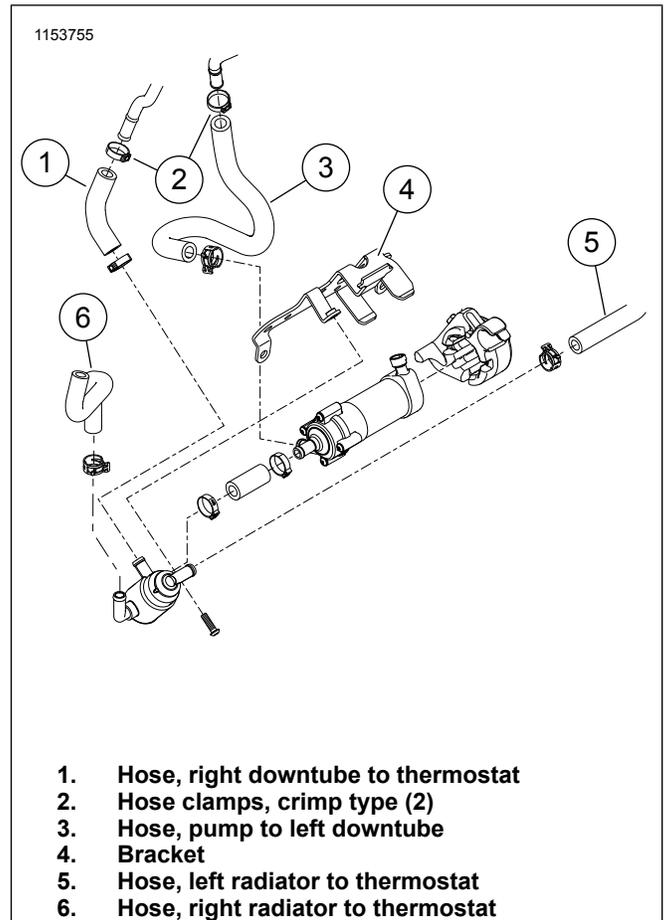


Figure 1. Coolant Hoses and Bracket

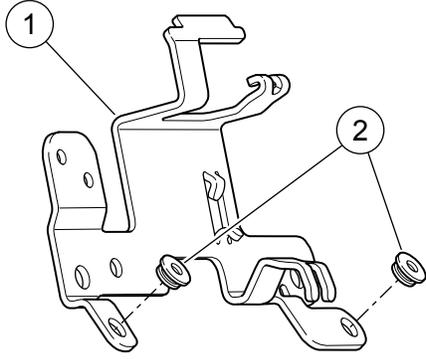
### INSTALLATION

#### Sub-Assemble New Pump Components

1. Remove shipping plugs from coolant pump.
2. See Figure 2. Install **new** grommet (2) in **new** bracket (9)



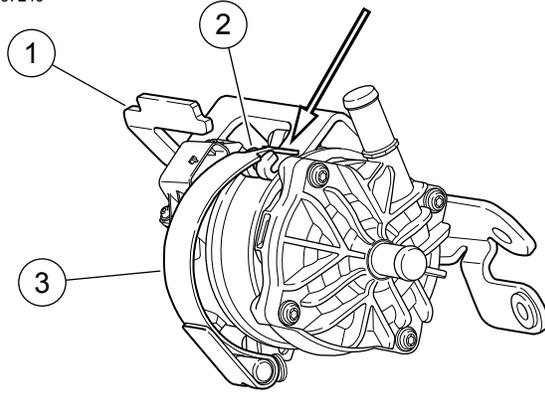
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- 1. Bracket
- 2. Grommet

Figure 2. Grommets

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- 1. Bracket
- 2. Upper tab
- 3. Bracket, strap assembly

Figure 4. Top Bracket Strap

- 3. See Figure 3. With the pump [235A] (3) oriented to the top, position the **new** pump (4) on the bracket (1).
- 4. Align and fully seat boss on rubber pump isolator band (5) to rest between the upper tab (2) and lower tab (6) on the bracket.

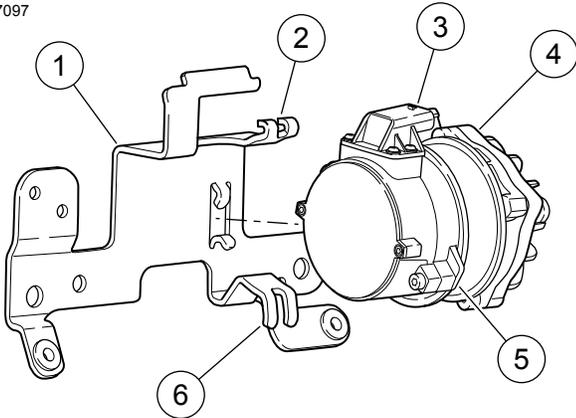
- 7. See Figure 5. Fully seat the strap assembly bracket (1) into the isolator band. Rotate the clamp screw (3) behind the lower tab (2). Tighten.

Torque: 5.4–6.78 N·m (48–60 in-lbs)

NOTE

*If needed, loosen clamp screw fully but do not remove.*

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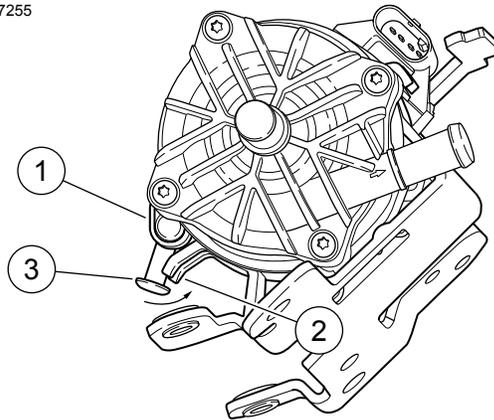


- 1. Bracket
- 2. Upper tab
- 3. Pump [235A]
- 4. Pump
- 5. Isolator band
- 6. Lower tab

Figure 3. Pump and Bracket

- 5. See Figure 4. Slide the "T" portion of the **new** strap assembly bracket (3) into the upper tap (2) of the **new** bracket (1).
- 6. Install **new** pump on bracket.

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- 1. Bracket, strap assembly
- 2. Lower tab
- 3. Clamp screw

Figure 5. Bottom Bracket Strap

- 8. See Figure 19. Locate pump to engine hose (8) and clamp (1).
- 9. See Figure 6. Install pump to engine hose (1) on pump outlet (3).
  - a. Locate pump outlet (3) which is marked by an arrow facing (4) upward.
  - b. Position pump to engine hose and clamp above pump outlet.
  - c. Slide both pump to engine hose and clamp to outlet base.

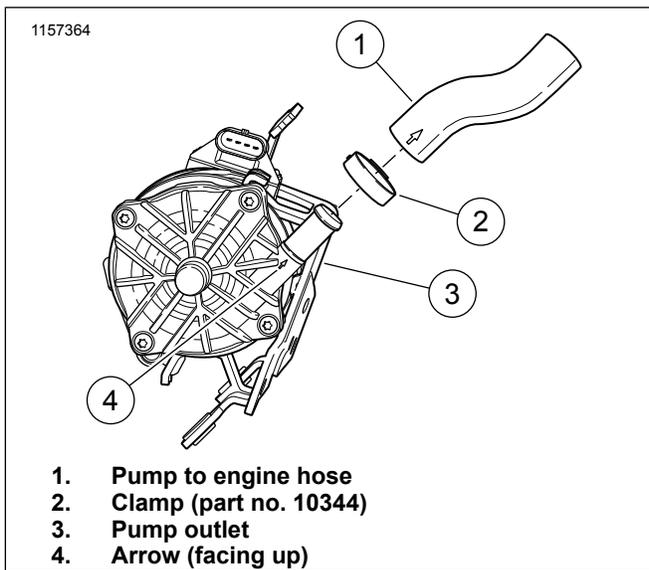


Figure 6. Pump to Engine Hose

10. See Figure 7. Align pump to engine hose.

11. Using clamp pliers tool, secure hose to pump outlet.

Special Tool: HOSE CLAMP PLIERS (HD-41137)

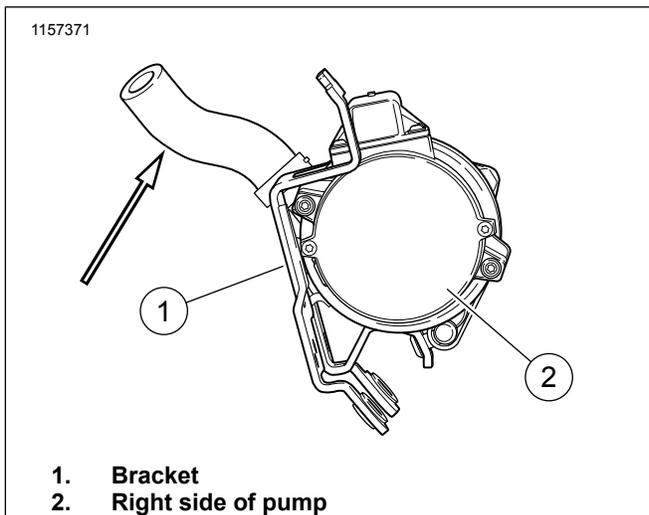


Figure 7. Orientation of Pump to Engine Hose

12. See Figure 8. Install **new** pump assembly on left downtube (2).

a. Position **new** hose clamp (1) on left coolant downtube.

b. Lifting the pump assembly (4) into place. Guide pump to engine hose into place on left downtube.

**NOTE**

Verify that clamp (1) does not contact frame downtube.

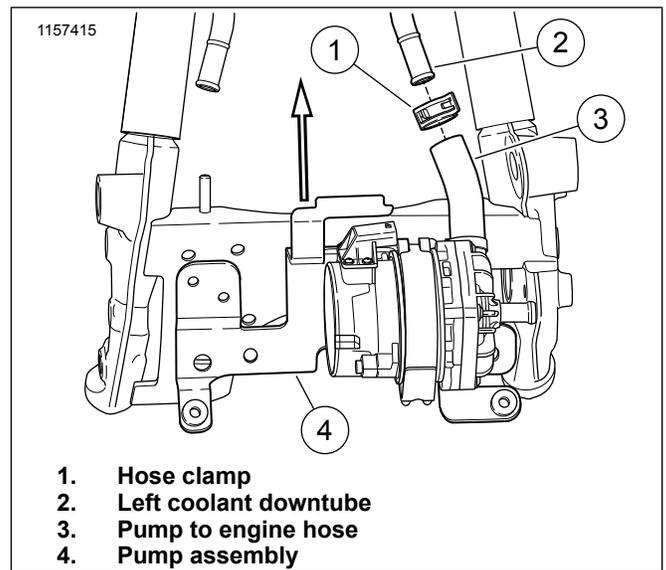


Figure 8. Pump Assembly to Left Coolant Down Tube

13. See Figure 9. Install the pump assembly to frame (3).

a. Install **new** screw (4). Tighten.

Torque: 27.1–29.8 N·m (20–22 ft·lbs)

b. Using the clamp tool, locate the clamp (2) on the pump to engine hose. Position clamp about 6.4 mm (0.25 in) from the end to hose.

Special Tool: 24 INCH HOSE CLAMP TOOL (HD-52004)

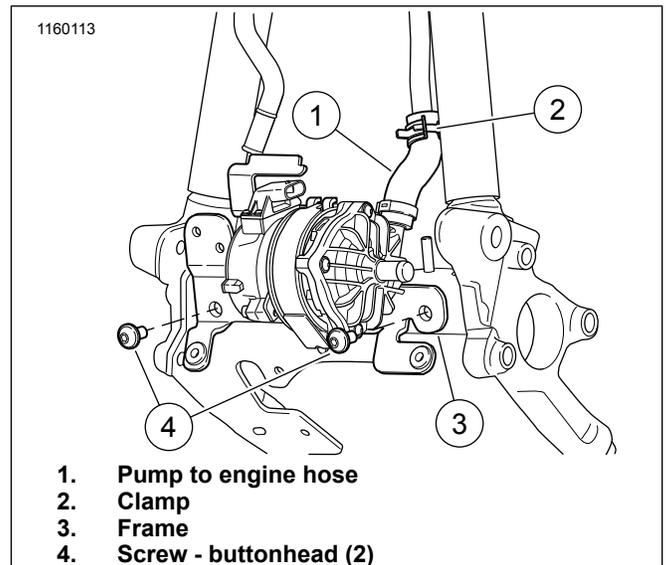


Figure 9. Installing Pump Assembly to Frame

14. See Figure 10. Install **new** harness (2).

a. Connect coolant pump [235]

b. Route excess wire to right side of coolant pump and leave loose.

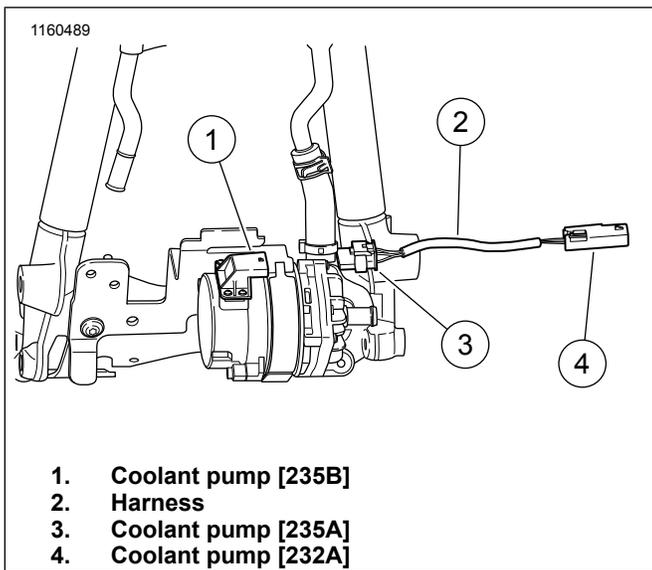


Figure 10. New Coolant Pump Harness

### Sub-Assemble to Left Lower Fairing

1. Install engine to left radiator hose.
  - a. See Figure 19. Locate engine to left radiator hose (7), hose clamp (4) and hose clamp (1).
  - b. See Figure 11. Position hose clamp (3) on left lower radiator outlet.
  - c. Install the left side of engine to left radiator hose onto the left lower radiator outlet.
  - d. Position hose clamp (5) on right downtube (1).
  - e. Install the right side of engine to left radiator hose onto the right downtube.
  - f. See Figure 12. Position engine to left radiator hose (3) to have the hose position between the lower tab (1) and bracket (2).
  - g. See Figure 11. Using the clamp tool, locate the clamp (5) on the engine to left radiator hose. Position clamp about 6.4 mm (0.25 in) from the end to hose.

**NOTE**

Verify that clamp (5) does not contact frame downtube.

- h. Using the clamp pliers tool, locate the clamp (3) on the engine to left radiator hose. Position clamp about 6.4 mm (0.25 in) from the end to hose and crimp clamp.

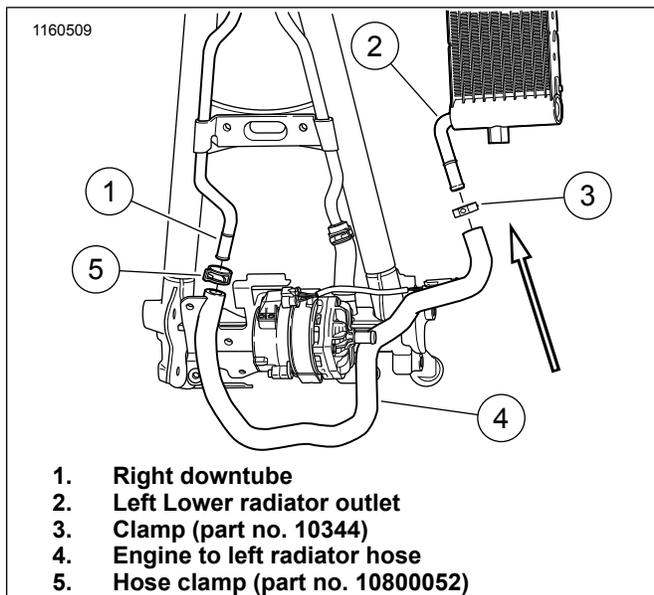


Figure 11. Engine to Left Radiator Hose

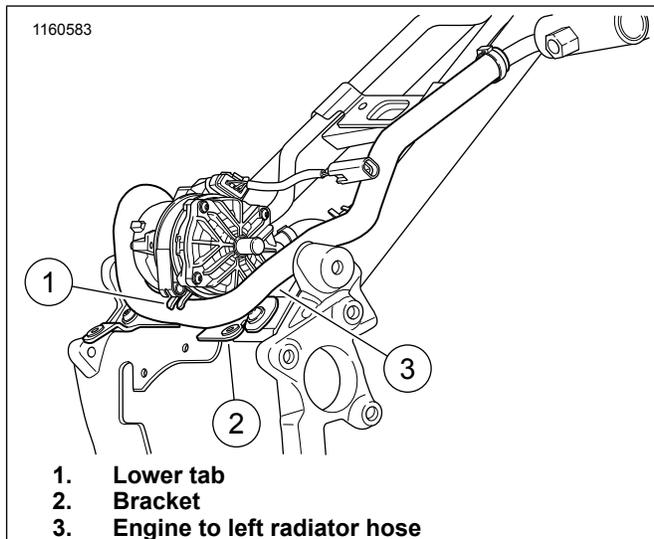


Figure 12. Positioning of Engine to Left Radiator Hose

16. Refer to Table 1. Locate cable strap (13).
17. See Figure 13. Secure radiator fan wiring and Engine Coolant Temperature (ECT) sensor wiring to coolant hose. Place cable straps in the three positions.

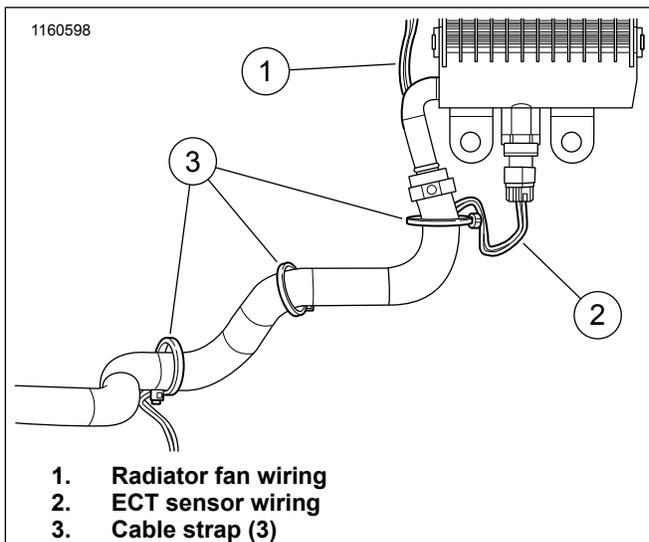


Figure 13. Securing Left Fan/ECT Sensor Wiring to Hose

### Sub-Assemble to Right Lower Fairing

1. See Figure 19. Locate right radiator to pump inlet hose (6), clamp (1) and hose clamp (4).
2. See Figure 14. Install the right radiator to pump inlet hose.
  - a. Position the hose clamp (2) on the coolant pump inlet.
  - b. Install the right radiator to pump inlet hose on coolant pump inlet.

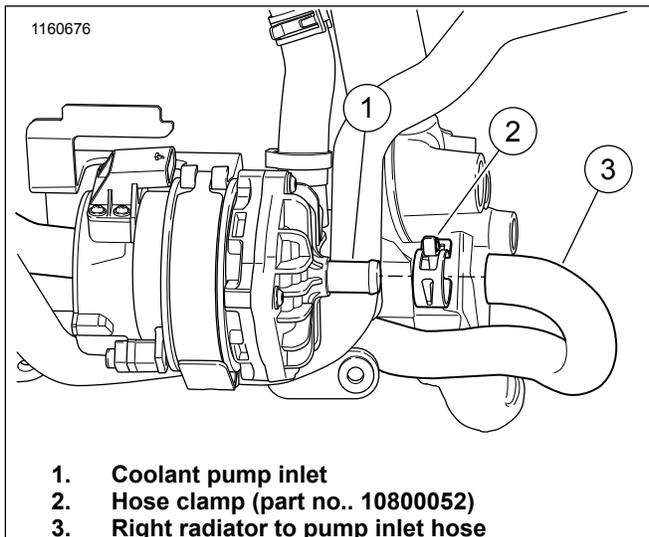


Figure 14. Coolant Pump Inlet Hose

20. See Figure 15. Position the right radiator to pump inlet hose (1) behind the left bracket grommet (2) and behind the engine to left radiator hose (4).

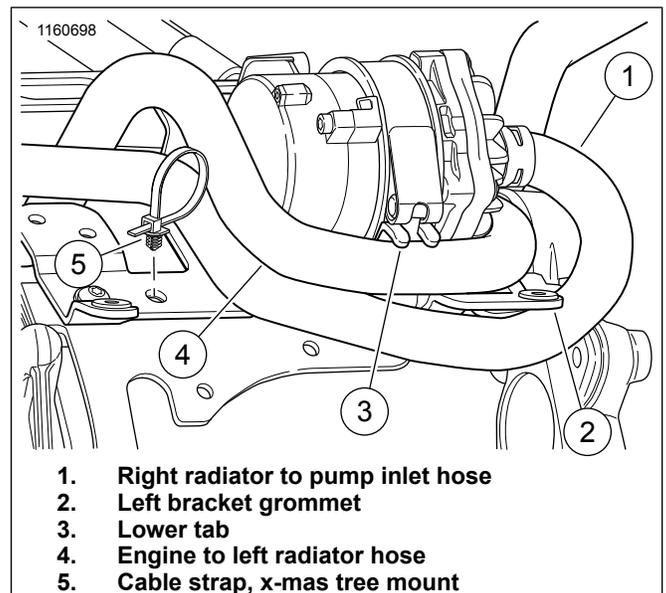


Figure 15. Routing of Right Radiator to Pump Inlet Hose

21. Install right radiator to pump inlet hose on the outlet tube.
  - a. See Figure 16. Position the clamp (2) on the right radiator outlet tube (1).
  - b. Install right radiator to pump inlet hose on the outlet tube.
22. Install the clamps on right radiator to pump inlet hose.
  - a. See Figure 15. Verify hose is positioned correctly.
  - b. See Figure 14. Using the clamp tool, locate the clamp (2) on the right radiator to pump inlet hose. Position clamp about 6.4 mm (0.25 in) from the end to hose.
  - c. See Figure 16. Using the clamp pliers tool, locate the clamp (2) on the right radiator to pump inlet hose. Position clamp about 6.4 mm (0.25 in) from the end to hose and crimp clamp.

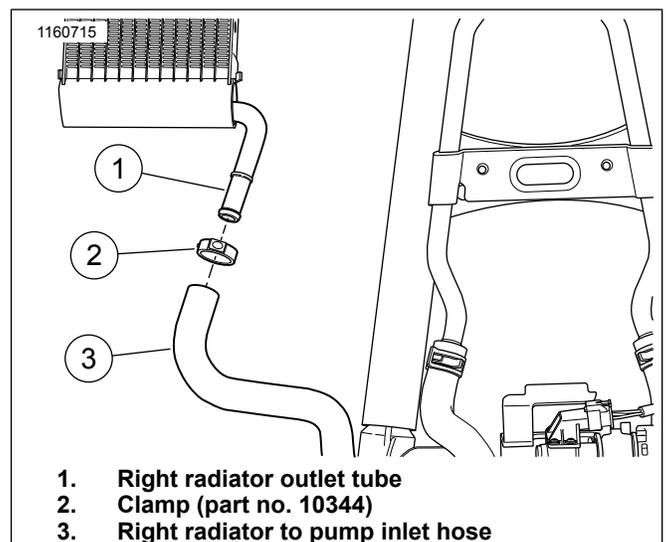
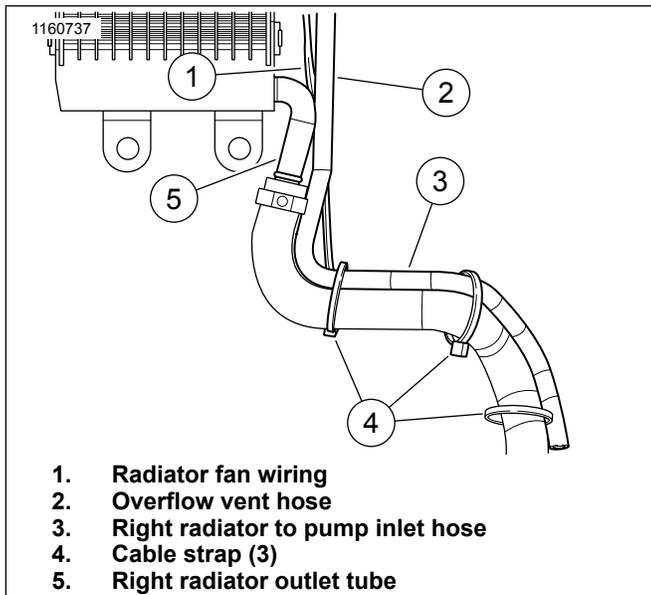


Figure 16. Right Radiator Hose

23. See Figure 17. Secure radiator fan wiring (1) and overflow vent hose (2) to coolant hose (3). Place cable straps (4) in the three positions.

**NOTE**

When installing the cable straps (4), verify the overflow vent hose does not collapse under the pressure of the cable straps.



1. Radiator fan wiring
2. Overflow vent hose
3. Right radiator to pump inlet hose
4. Cable strap (3)
5. Right radiator outlet tube

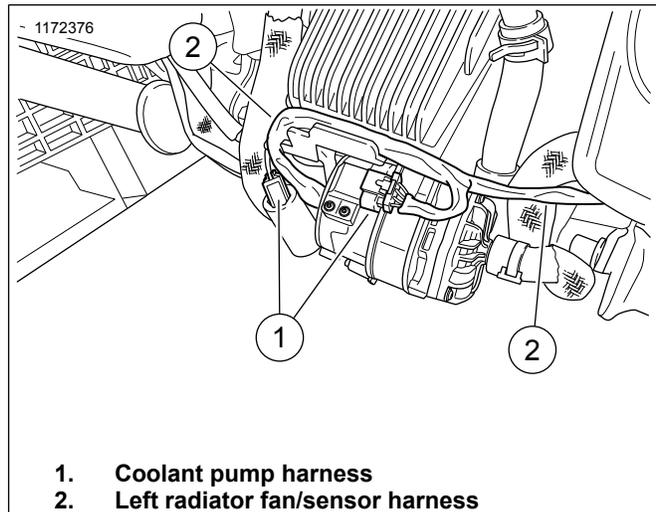
**Figure 17. Securing Right Fan Wiring and Overflow Vent to Hose**

**COMPLETE**

1. **NOTE**  
See the service manual of the year and model vehicle that the service is being performed on for the following steps.

Connect pump [232A] to main harness.

- a. See Figure 18. Verify water pump harness is correctly routed.
2. See Figure 15. Secure pump harness with cable strap (5).
3. Install pump cover.
4. Install both fairing lowers.
5. Install main fuse.
6. Fill cooling system.
7. Take motorcycle for test drive.
8. Check for leaks.



1. Coolant pump harness
2. Left radiator fan/sensor harness

**Figure 18. Water Pump Harness Routing**

# SERVICE PARTS

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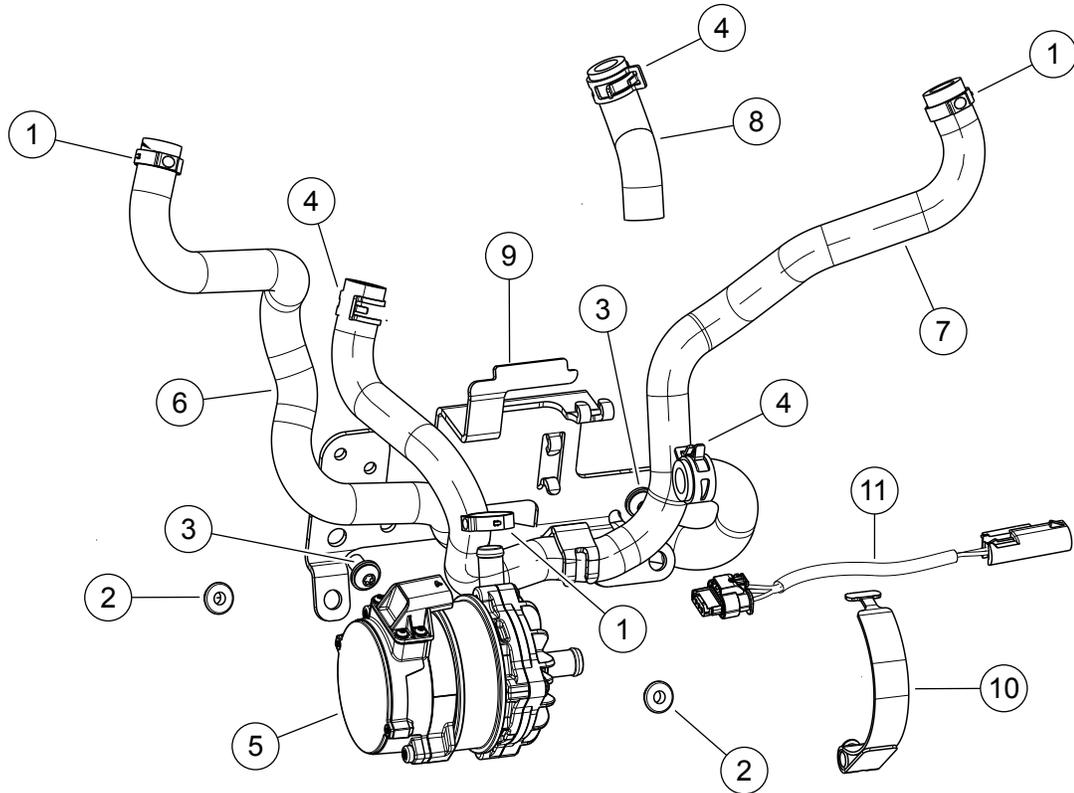


Figure 19. Service Parts: Coolant Pump System Kit

Table 1. Service Parts: Coolant Pump System Kit

Item	Qty	Description	Part No.
1	3	Hose clamp - black	10344
2	2	Grommet	11692
3	2	Screw - buttonhead	4266A
4	3	Hose clamp	10800052
5	1	Coolant pump	26600050
6	1	Coolant hose - right radiator to pump inlet	26900131
7	1	Coolant hose - engine to left radiator	26900132
8	1	Coolant hose - pump to engine	26900146
9	1	Bracket - coolant pump	62800032
10	1	Bracket - strap assembly	62800041
11	1	Harness - coolant pump	69201960
12	2	Washer - rubber (Not shown)	7415A
13	8	Cable strap (Not shown)	10006
14	1	Cable strap - x-mas tree mount (not shown)	10177