

Table 3. Motorcycles Affected

| Year | Platform | Models |
|------|---|---|
| 2017 | Softail | FLSS, FLSTFBS, FXSE |
| | Touring, CVO Touring, Touring Police, Trike | FLHP, FLHR, FLHRC, FLHRXS, FLHTCU, FLHTK, FLHTKL, FLHTK SHRINE, FLHTP, FLHX, FLHXS, FLTRU, FLTRX, FLTRXS, FLRT, FLHTCUTG, FLHTKSE, FLHXSE |
| 2018 | Touring, CVO Touring, Touring Police, Trike | FLHP, FLHR, FLHRC, FLHRXS, FLHTCU, FLHTK, FLHTK ANV, FLHTK SHRINE, FLHTKL, FLHTP, FLHX, FLHX ANV, FLHXS, FLHXS ANX, FLTRU, FLTRX, FLTRXS, FLRT, FLHTCUTG, FLHTCUTG ANV, FLHTKSE, FLHTKSE ANV, FLHXSE, FLTRXSE |

Markets Affected

All markets are affected.

Kit Part Number

Refer to Table 4.

Table 4. Kit Part Number

| Early Kit Part No. | Item Description | New Kit Part No. |
|--------------------|---|------------------|
| 91500093 | Secondary clutch actuator piston assembly kit | 91500093A |

Kit Ordering Information

Early Kits: Kits will start shipping the week of November 5, 2018 and ending February 22, 2019.

New Kits: Kits will start shipping the week of February 25, 2019.

U.S. Market

Wave shipments are ending the week of April 8, 2019.

The **new** electronic ordering system will start the week of April 15, 2019. Refer to:

M1483: Electronic Recall Ordering System

As of May 15, 2019, the quantity number of kits order has been changed from 5 to as many as needed.

Canada Market

Wave shipments are ending the week of April 8, 2019.

The **new** recall order form will start the week of April 15, 2019. Refer to:

Canada Order Form: Recall 0173

As of May 15, 2019, the quantity number of kits order has been changed from 5 to as many as needed.

Asia Pacific Market

Contact the Service and Customization Consultant.

Europe Market

Contact the Service and Customization Consultant.

India Market

Contact the Service and Customization Consultant.

Mexico Market

Contact the local service area representative at Harley-Davidson Mexico.

Procedure Video

A video of the procedure has been posted on SIP (Service information portal). This video covers the procedures that are not covered in the service manuals.

SIP Video Link: Video: M1482 - Recall 0173

Required Dealer Action

1. Verify that vehicle is part of recall 0173.

Prepare

NOTE

- To avoid cross contamination, this procedure must be performed in a clean work area. Continuously clean the work area of any brake fluid and/or transmission fluid. Clean all tools and anything that comes in contact with parts or gloved hands.
- **Touring:** When referred to "See the service manual", use the 2019 Touring service manual.
- **Softail:** When referred to "See the service manual", use the 2017 Softail service manual.

1. **Touring:** Remove main fuse. See the service manual: **Electrical > Power Disconnect > Main Fuse.**
2. **Softail:** Remove main fuse.
 - a. **Models with security:** Disable security system.
 - b. Verify that fob is present.
 - c. Turn OFF/RUN switch to RUN.
 - d. Turn ignition switch ON.
 - e. Remove seat. See the service manual: **Chassis > Seat (select model).**
 - f. Remove main fuse. See the service manual: **Electrical > Fuse > Removal.**
 - g. Turn ignition switch OFF.

Removal

1. Drain clutch control system.
 - a. **Touring:** See the service manual: **Chassis > Bleed Clutch Control System > Drain and Fill > Drain.**

- b. **Softail:** See the service manual: **Chassis > Bleeding Clutch Fluid Line: Hydraulic Clutch > Drain and Fill > Drain.**

NOTE

- A small amount of transmission lubricant may drain when secondary clutch actuator is removed.
 - **Do not disconnect clutch fluid line (4).**
2. See Figure 1. Remove secondary clutch actuator (1) from inner side cover mounting bore (2).
 - a. Remove screws (5) and secondary clutch actuator.
 3. See Figure 2. Place **clean** lint free shop towel over transmission inner side cover at secondary actuator bore.

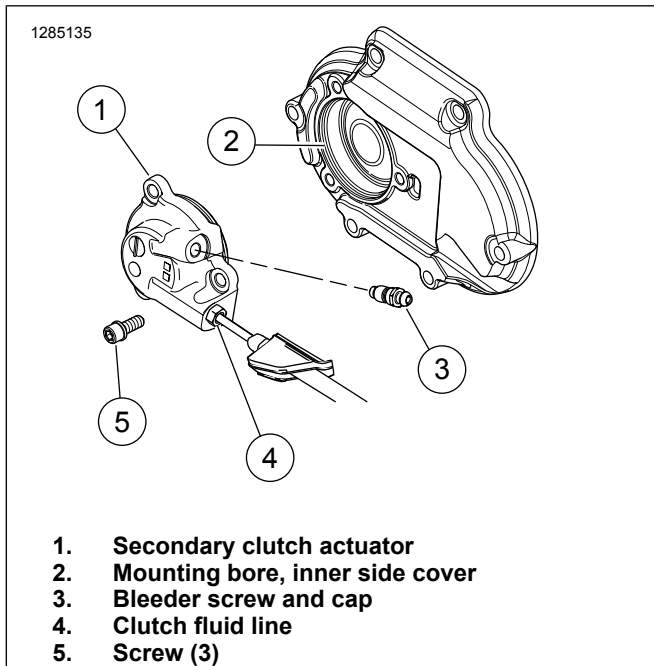


Figure 1. Secondary Clutch Actuator

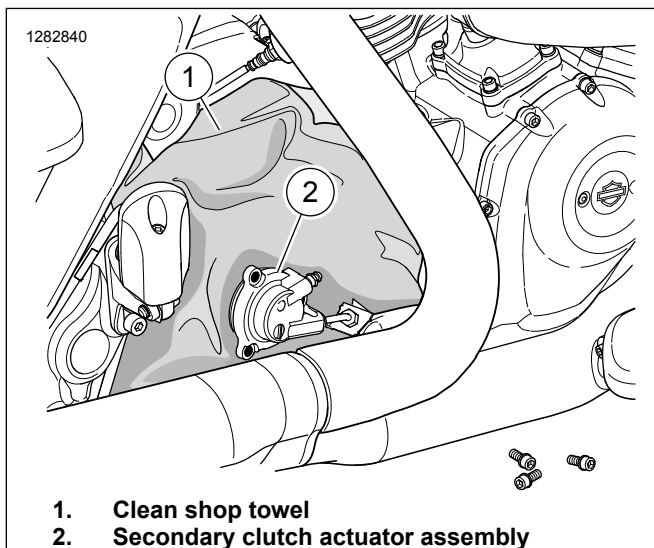


Figure 2. Towel In-Place on Transmission

Disassembly

NOTE

To avoid scratching the transmission seal seat (2), **do not** use any tools to remove the transmission seal boot (4) from actuator housing (1).

1. See Figure 3. Remove the actuator piston assembly (3).
 - a. See Figure 4. Pinch the actuator transmission seal boot (4).
 - b. See Figure 3. Remove the transmission seal boot from the transmission seal seat (2).
 - c. Remove piston assembly from actuator housing (1).
2. Hold old actuator piston assembly per Return Parts.

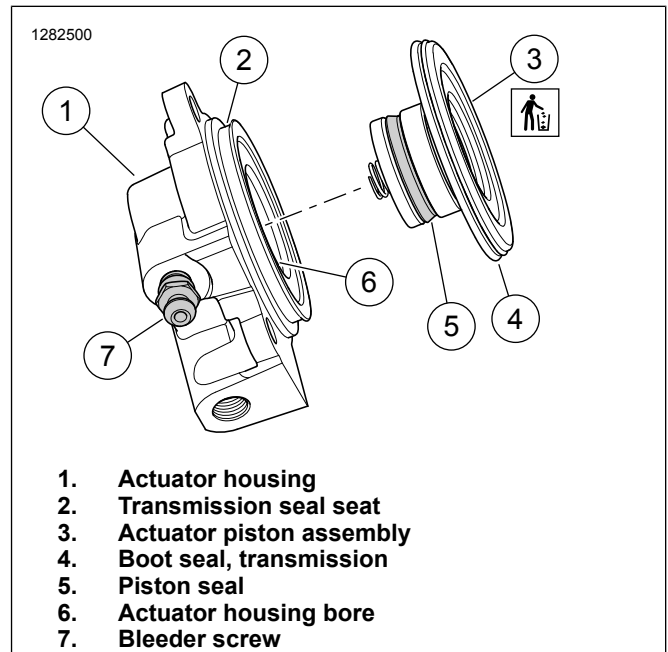


Figure 3. Secondary Actuator Assembly

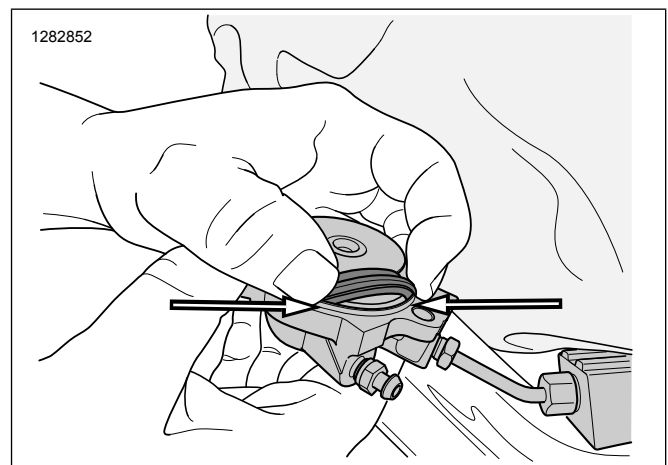


Figure 4. Pinching Actuator Transmission Seal Boot

Clean and Inspect

1. Put supplied hand gloves on (may contain latex).
 - a. Verify that hands are free of transmission fluid, dirt or debris before putting on gloves.

NOTE

Only use the provided wipe to clean the actuator bore and transmission seal seat area (2, 6).

2. See Figure 3. Clean actuator.
 - a. Use the provided wipe, thoroughly clean the actuator bore and transmission seal seat area (2, 6).
3. Inspect actuator bore for damage.
 - a. If damage is found, replace actuator assembly.

Assembly

1. Locate **new** actuator piston assembly.

NOTE

Do not touch pre-lubed piston seal (5) when removing from packaging.

2. See Figure 3. Remove **new** actuator piston assembly (3) from packaging.
3. Inspect **new** actuator piston assembly for dirt or damage.
 - a. If dirty or damaged, do not use.
4. Install **new** actuator piston assembly.
 - a. Align **new** actuator piston assembly squarely to the actuator housing bore (6).
 - b. See Figure 5. Push down on center of piston until fully seated in bore.
 - c. See Figure 3. Install the transmission boot seal (4) around the transmission seal seat (2).

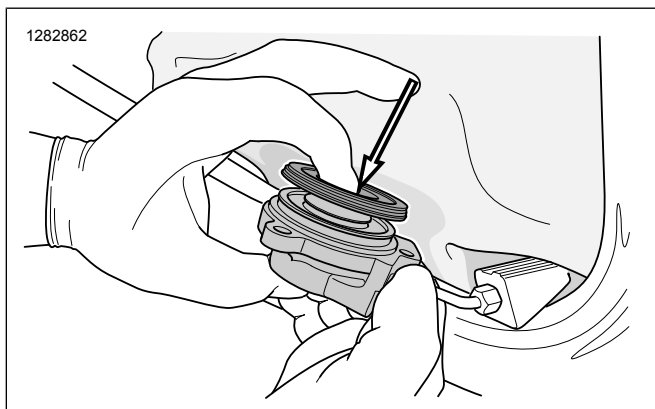


Figure 5. Installing Actuator Piston Assembly

Install

1. Remove shop towel over transmission inner side cover at secondary actuator bore.

NOTE

Do not actuate clutch while secondary actuator assembly is removed from inner side cover after installing the **new actuator piston assembly.**

2. See Figure 1. Install secondary clutch actuator (1).
 - a. Lubricate mounting bore (2) in the inner side cover with a film of transmission fluid.
 - b. Install secondary clutch actuator (1) and screws (5).
 - c. See Figure 6. Draw screws down evenly to prevent binding and possible breakage of mounting ears. Tighten in sequence as shown.
Torque: 8–10 ft-lbs (11.2–13.6 N·m)

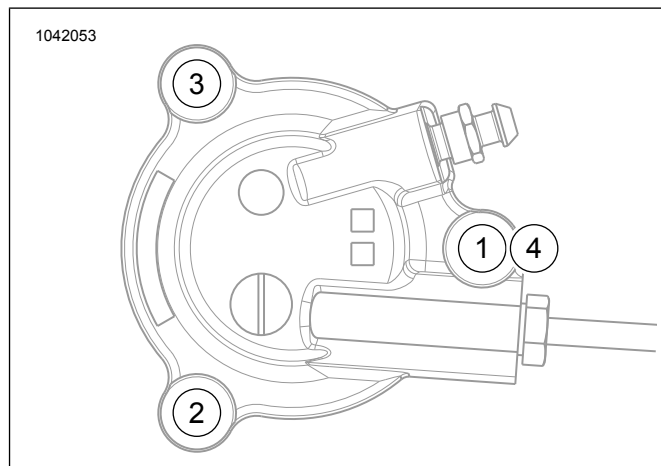


Figure 6. Secondary Clutch Actuator Torque Sequence

NOTE

Use a mechanical spring loaded center punch, if not available use a standard center punch.

3. **Kit 91500093A:** See Figure 7. Install identifying mark in secondary clutch actuator.
 - a. Using a center punch, lightly punch a identifying mark as shown.

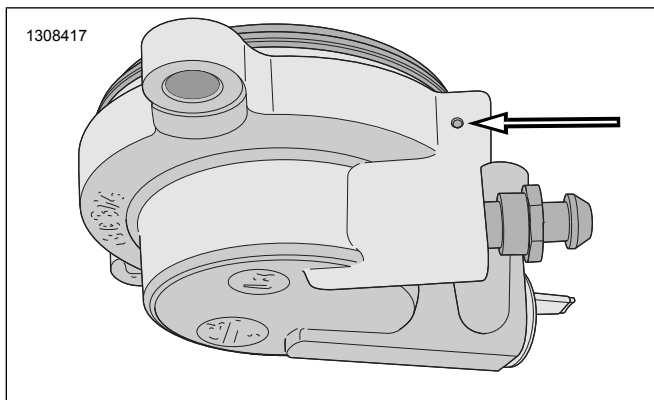


Figure 7. Identifying Mark Location

4. Fill and bleed clutch control system.
 - a. **Touring:** See the service manual: **Chassis > Bleed Clutch Control System > Drain and Fill > Fill.**
 - b. **Softail:** See the service manual: **Chassis > Bleeding Clutch Fluid Line: Hydraulic Clutch > Drain and Fill > Fill.**
5. After bleeding, remove clutch cover and measure release plate movement.

⚠ WARNING

Insufficient clutch-release plate movement can lead to difficulty or inability to shift, causing loss of control, which could result in death or serious injury. (00345a)

6. Attach a dial indicator to measure pushrod axial movement.
7. Actuate clutch lever to measure axial movement of pushrod and clutch-release plate assembly.
 - a. Minimum release plate movement is 0.086 in (2.18 mm)
 - b. If release plate movement is equal to or greater than minimum value, go to Clutch Lever Hold-In Test.
 - c. If release plate movement is less than minimum value, repeat bleed procedure.

Clutch Lever Hold-In Test

1. Pull in clutch lever to handlebar grip and hold for 1 min.
2. With clutch lever pulled in, verify the dial indicator reading **does not** change.
3. If reading holds, go to Complete.
4. If reading **does not** hold:
 - a. Repeat bleed procedure, and test again.
 - b. See Figure 3. If hold-in test continues to fail, remove actuator piston assembly (3) and inspect piston seal (5) and actuator housing bore (6). Refer to Clean and Inspect.

- c. Call Technical Service if damage is found.

Complete

1. See Figure 8. Install outer transmission side cover.
 - a. Install outer cover (1).
 - b. Install screws (4). Tighten.
Torque: 99–120 **in-lbs** (11.2–13.6 N·m)

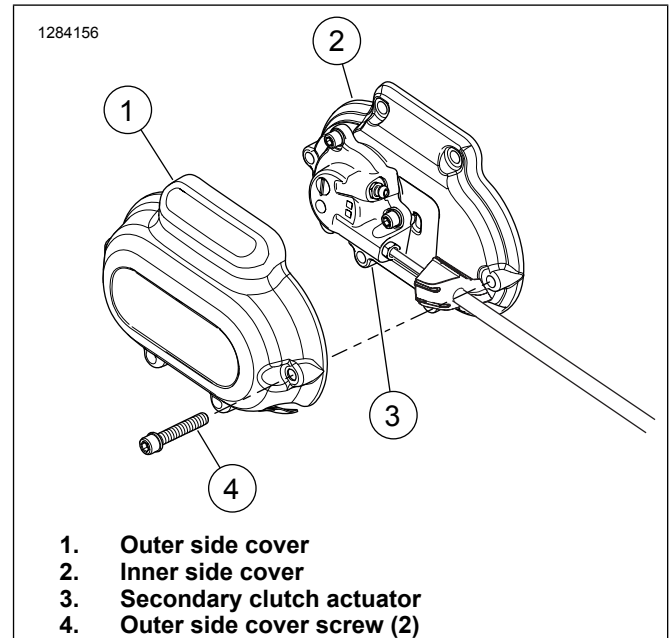


Figure 8. Transmission Outer Side Covers

2. Secure exhaust system.
 - a. **Touring:** See the service manual: **Fuel and Exhaust > Exhaust System > Install.**
 - b. **Softail:** See the service manual: **Fuel System > Exhaust System > System: (select model) > Installation.**
3. Install clutch cover.
 - a. Thoroughly clean oil from clutch cover and mating surface on primary cover.
 - b. Install clutch cover, new gasket and screws.
 - c. See Figure 9. Tighten screws in sequence shown.
Torque: 84–108 **in-lbs** (9.5–12.2 N·m)

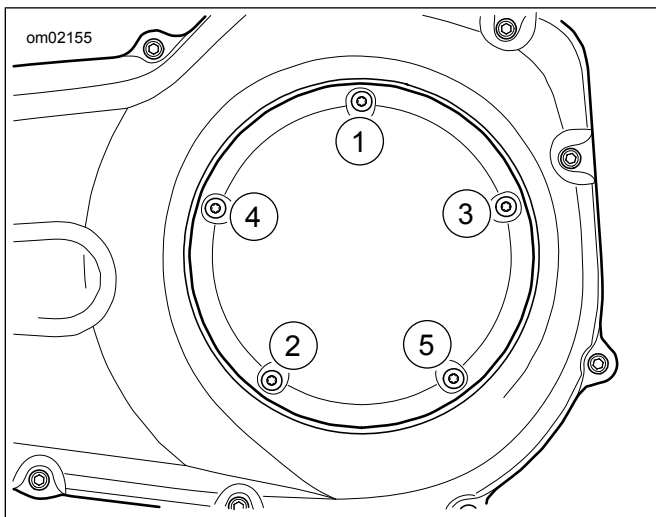


Figure 9. Clutch Cover Tightening Sequence

4. Install main fuse.
 - a. **Touring:** See the service manual: **Electrical > Power Disconnect > Main Fuse.**
 - b. **Softail:** See the service manual: **Electrical > Fuse > Installation.**
5. Perform a road test to verify clutch operation.

Dealer Inventory Instructions

Old Secondary Actuator Piston Assembly Stock

If dealers have old stock. Refer to Table 5.

File a DFS (Defective stock) claim and replace with update part. Refer to Table 6.

Table 5. Part Numbers

| Old Part No. | Item Description | Current Part No. To Use |
|--------------|---|-------------------------|
| 37200131 | Secondary clutch actuator piston assembly | 37200131C |
| 37200131A | | |
| 37200131B | | |

Table 6. Kits in Dealer Stock

| ITEM | DATA |
|-----------------------|--------------------------------|
| Claim Type | DFS/PAM Stock |
| Problem Part Number | 37200131, 37200131A, 37200131B |
| Customer Concern Code | 9901 |
| Condition Code | 1518 |

Early Recall Kits

If dealers have early recall kits. Refer to Table 4.

File a claim and replace with update kit.

Submit a warranty claim per Table 7 or Table 8 for all existing recall kits in dealer stock.

NOTE

These kits can be used until March 15, 2019

U.S. Dealers only:

Table 7. Kits in Dealer Stock

| ITEM | DATA |
|-----------------------|------------|
| Claim Type | SNV |
| Problem Part Number | 91500093 |
| Quantity | Could vary |
| Customer Concern Code | 0173 |
| Condition Code | 9982 |

SAP/GDP System Users:

Table 8. Kits in Dealer Stock

| ITEM | DATA |
|-----------------------|-------------|
| Claim Type | PAM - stock |
| Problem Part Number | 91500093 |
| Quantity | Could vary |
| Customer Concern Code | 0173 |
| Condition Code | 9982 |

Credit Procedure

Upon submission of the properly completed claim, dealers will be credited for 1.1 h of labor time for performing the procedure, plus appropriate administrative time. Credit will also be issued for the brake fluid and the recall kit (U.S. only). Submit campaign events on the dealers own warranty claim. Do not mix them with other warranty events.

NOTE

Enter bulletin number into comment section of claim.

Credit Procedure: Talon/h-dnet.com warranty claim system users

Submit a claim for each motorcycle serviced in this bulletin for which VIN (Vehicle identification number) involvement was verified on H-Dnet.com. Refer to Table 9.

Table 9.

| ITEM | DATA |
|--------------------------------------|---|
| Claim Type | SRC |
| Problem Part Number | 37200131A |
| Quantity | Leave Blank |
| Primary Labor Code ⁽¹⁾ | 4062 |
| Time | 1.1 h |
| Customer Concern Code ⁽¹⁾ | 0173 |
| Condition Code | 9981 |
| Replacement Part No. | 91500093 or 91500093A ⁽²⁾ and 41800770 |
| Quantity | 1 |

⁽¹⁾ Download may be required.

⁽²⁾ See Section Overview: Step 2 for correct Part No.

Credit Procedure: SAP system users

Submit a claim for each motorcycle serviced in this bulletin for which VIN involvement was verified on H-Dnet.com. Refer to Table 10.

Table 10.

| ITEM | DATA |
|-------------------------------|--------------|
| Claim Type | Recall Claim |
| Fix ID-Found in Recall Number | C |
| Problem Part Number | 37200131A |
| Customer Concern Code | 0173 |
| Condition Code | 9981 |

Credit Procedure: All Other System Users

Claim Date

Campaign Number (0173) - 1.1 h

FIX ID - (C)

Full Seventeen Character VIN

Return Parts

Hold all claimed parts for 60 d from date of credit issued for possible field inspection and/or request to return to factory. After 60 d, destroy and discard the parts.

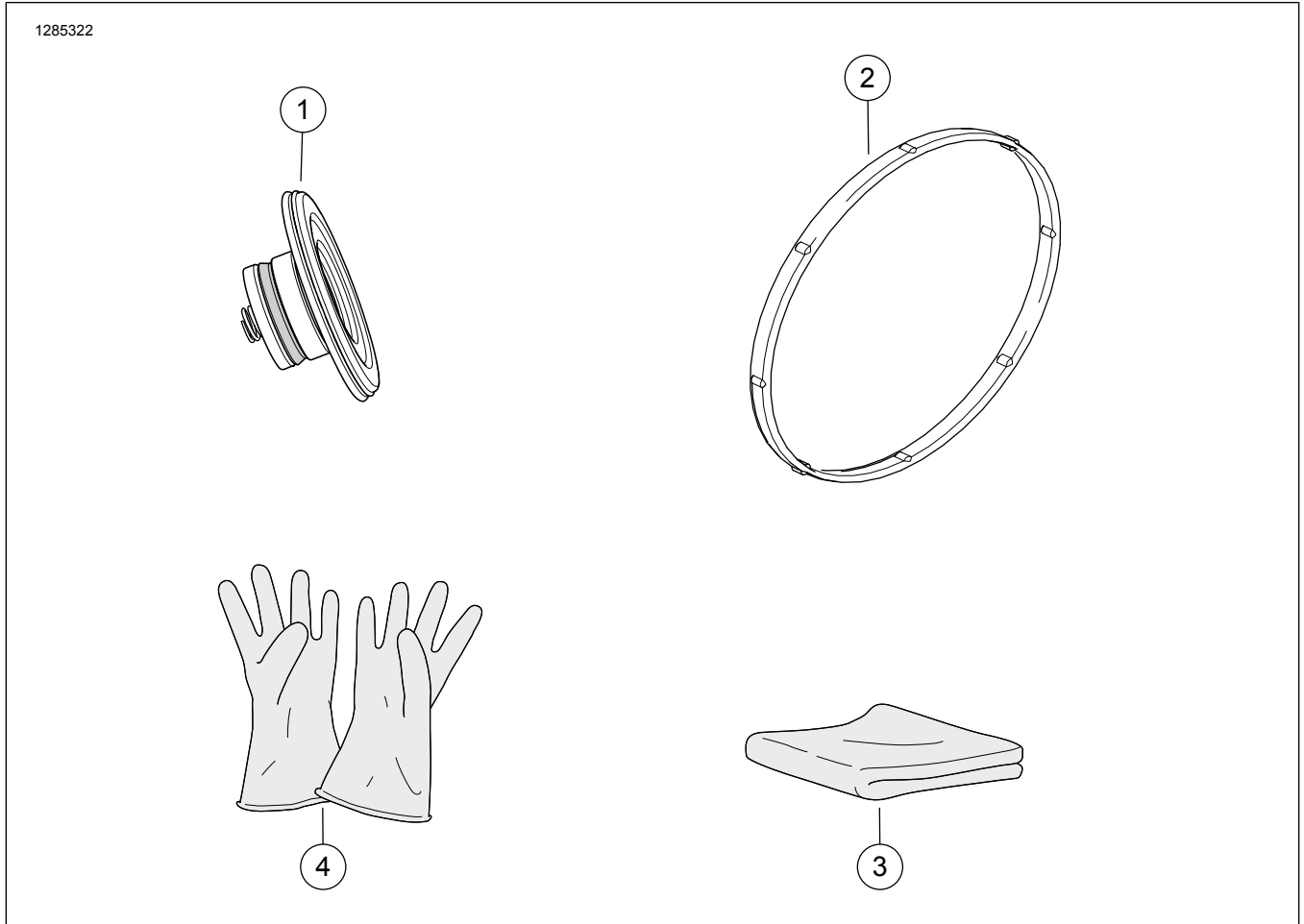


Figure 10. Service Kit - 0173

Table 11. Service Kit - 0173

| Item | Description | QTY | Part Number |
|------|--|-----|---------------------|
| 1 | Clutch Actuator Piston Assembly | 1 | Not Sold Separately |
| 2 | Clutch Cover Gasket | 1 | Not Sold Separately |
| 3 | Cleaner Wipe | 1 | Not Sold Separately |
| 4 | Hand Gloves, Vinyl (may contain latex) | 2 | Not Sold Separately |