# SERVICE BULLETIN



M1535 2021-09-20

## M1535: SERVICE MANUAL UPDATES

# **Purpose for Service Bulletin**

This bulletin informs dealers that Harley-Davidson has identified incorrect information in the 2018- 2021 Softail Service Manuals. These errors have been corrected and are visible on Service Information Portal (SIP).

# **Motorcycles Affected**

2018 - 2021 Softail Models

## **Markets Affected**

All markets are affected.

## **Required Dealer Action**

Update 3 sections of the Softail Service Manuals. Each correction specifies which model year is needed for the update. Follow the updated service procedures available in SIP and replace printed Softail Service Manual content.

### 3.15 Brake Line: Front Master Cylinder (ABS)

2018 - 2021 Softail Service Manuals. The following content was omitted and needs to be added:

Some front brake lines have been found damaged, which we believe resulted from servicing the brake line from the master cylinder to the manifold. The service manual has been updated to show the correct orientation of that brake line in relation to the manifold to prevent contact with the lower triple clamp when handlebars are turned to full right lock. A note was also added to the SM to inspect that the manifold is free to rotate but should remain primarily stationary when rotating handlebars from full left to full right. The orientation of the brake line and behavior of the manifold should be similar if installing Parts and Accessories (P&A) front brake lines on any 2018 and later Softail.

The following Service Manual content has been updated: 3.15 BRAKE LINES, BRAKE LINE: FRONT MASTER CYLINDER (ABS), Install.

- See Figure 1.See Figure 2. Position brake line (1) in orientation shown and snug tube nut (2).
- Move handlebars to full left lock and full right lock, adjust brake line as needed.
- Tighten tube nut. Torque: 14.5–19.5 N·m (128–173 in-lbs)
  Brake line tube nuts, manifold.

 Move handlebars to full left lock and full right lock to verify brake line routing and there is no binding of brake lines or manifold.

#### NOTE

Manifold assembly should face forward, primarily stationary but free to rotate.

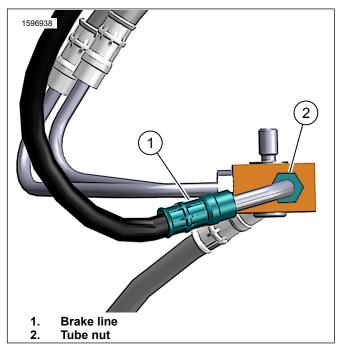


Figure 1. Single Disc Brake Line Orientation

#### NOTE

In the interest of preserving customer safety and satisfaction, always check for outstanding recalls whenever any motorcycle is brought into your dealership for either maintenance or service

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ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	WARRANTY PROCESS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	RETURN THIS TO
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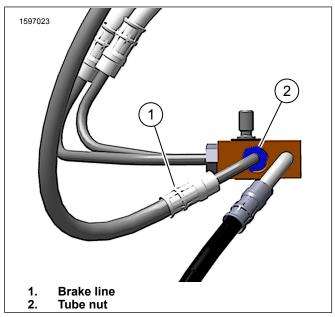


Figure 2. Dual Disc Brake Line Orientation

## 3.21 Steering Head/Fork Stem and Bracket Assembly

The 2021 Service Manual incorrectly shows a First Torque and Final Torque spec for the Fork stem pinch bolt. There should only be one Fork stem pinch bolt spec.

The following Service Manual content has been updated: 3.21 STEERING HEAD/FORK STEM AND BRACKET ASSEMBLY, Install

 Tighten fork stem pinch bolt. Torque: 21.7–27.1 N·m (16–20 ft-lbs)

#### 3.20 Front Fork

The 2021 Service Manual incorrectly shows wrong specs for FXLRS. The correct front fork fill level for 2021 FXLRS left side Inverted fork is 5.39 in (137 mm).

The following 2021 Service Manual content has been updated:

- Delete FXLRS from Figure 3-75. Standard Fork Components, Item 4, found under 3.20 FRONT FORK, DISASSEMBLE AND ASSEMBLE: STANDARD.
- Delete FXLRS from Step 1, substep b found under 3.20 FRONT FORK, DISASSEMBLE AND ASSEMBLE: STANDARD, Disassemble, Complete Disassembly.
- Delete FXLRS from Step 9, substep b found under 3.20 FRONT FORK, DISASSEMBLE AND ASSEMBLE: STANDARD, Assemble, Initial Assembly.
- Delete FXLRS from Table 3-12. Oil Level, Front Fork, found under 3.20 FRONT FORK, DISASSEMBLE AND ASSEMBLE: STANDARD, Assemble, Fork Fill.
- Replace Table 3-13. Oil Level, Front Fork, with Table 1 below, found under 3.20 FRONT FORK, DISASSEMBLE AND ASSEMBLE: INVERTED, LEFT SIDE, Assemble, Fork Fill. Refer to Table 1.

Table 1. Oil Level, Front Fork

MODEL	FLUID FILL DIMENSION
FLSB	5.20 in (132 mm)
FXFBS, FXLRS	5.39 in (137 mm)

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