SX3 SOFTAIL FOOT CONTROLS

INSTALLATION GUIDE

DISCLAIMER: Kraus Motor Co. recommends that you defer to a certified mechanic or technician on any installation when possible. Refer to your OEM service manual for step-by-step procedures, required tools and specifications to make sure all pieces and parts are properly installed. Kraus Motor Co. is not responsible for improper installation of any OEM or Kraus component/kit. after completing installation, go for a slow, careful test ride. Afterwards, double-check all pieces, parts and systems. Improper installation may result in sever injusry or death.

1

Refer to the OEM Factory Service Manual

SHIFT SIDE

- Remove OEM Shift Rod

- Set SX3 Shift Rod to match OEM or to the recommended length of *4.125*"
NOTE: DO NOT TIGHTEN ADJUSTER NUTS! *This will be tightened later.*

- Apply Blue Loctite to threads of the Shift Rod hardware

- Install the SX3 Shift rod on the OEM Front Shift Arm and Rear Transmission Shift Arm using the provided hardware.

- Tighten the two mounting bolts and torque. **Torque to 11 ft-lbs (15 N-m)**

- Remove OEM Shift Lever

- Install SX3 Shift Lever on the splines of the shaft in a comfortable position

- Once a comfortable position has been found, apply blue loctite to the clamp bolt.

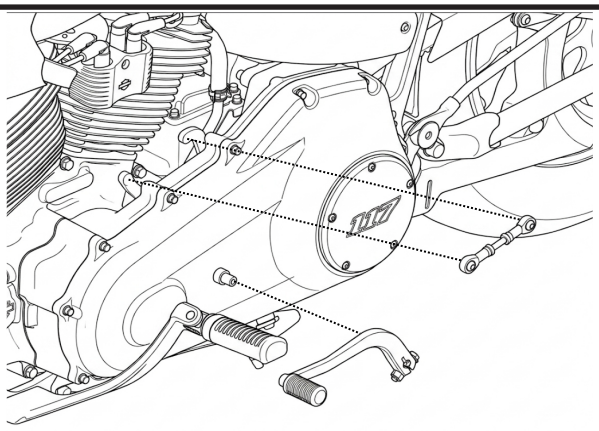
- Tighten the shaft clamp bolt on shift lever. **Torque to 10 ft-lbs (14 N-m)**

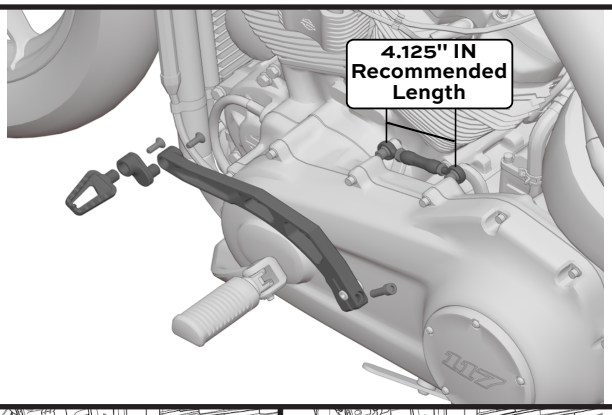
- Find a comfortable position for the Shift Peg and Adjuster peg

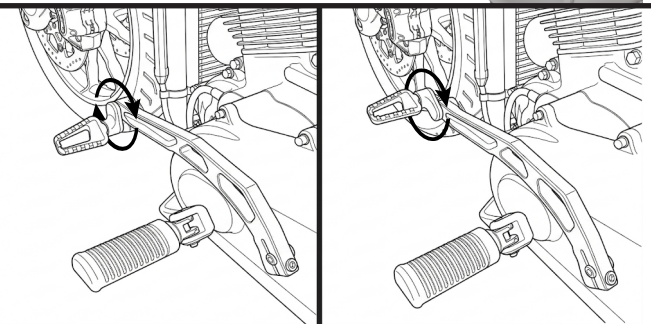
- Once a suitable position has been found, assemble the Shift Peg to the Adjuster Peg off the bike and tighten. **Torque to 6 ft-lbs (8 N-m)**

- Install the both as one on the Shift Lever and tighten. **Torque to 6 ft-lbs (8 N-m)**

- Rotate and adjust Shift Rod for fine tuning the shift lever. Once in a comfortable position, tighten the adjuster nuts on the Shift Rod.







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INSTALLATION GUIDE

BRAKE SIDE

- Remove front bolt of OEM Brake Rod, connected to pivot link

- Remove mounting bolt for OEM Brake Lever

- Slide OEM Brake Lever and Brake Rod off of the Pivot Shaft Bracket

- Set SX3 Brake Rod to match the OEM Brake Linkage.
NOTE: DO NOT TIGHTEN ADJUSTER NUTS! *This will be tightened later.*

- Install Brake Rod to the SX3 Brake Pivot Arm, reusing the OEM Bolt and tighten. Apply Blue Loctite to threads of the OEM bolt.
Torque to 10 ft-lbs (14 N-m)

- Slide the Brake Pivot Arm and Brake Rod as one, on the OEM Pivot Shaft. Use the provided spacer and bolt to attach the Brake Rod to the pivot link. **Torque to 6 ft-lbs (8 N-m)**

- Tighten and torque the mounting bolt to the Brake Pivot Arm.
Torque to 11 ft-lbs (15 N-m)

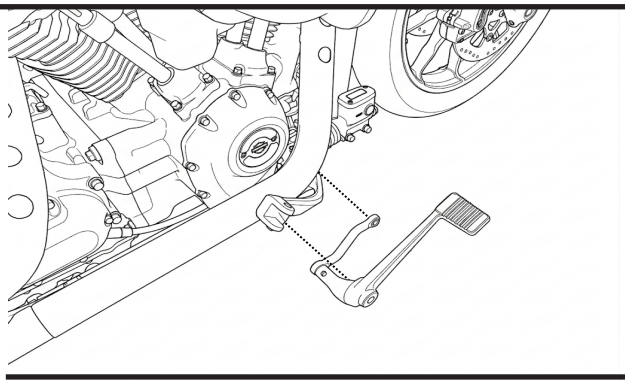
- Find a comfortable position for the Adjuster Peg and Brake Peg

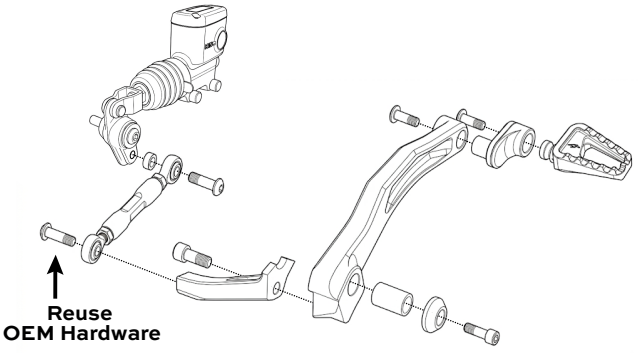
- Once a suitable position has been found, assemble the Adjuster Peg to the Brake Peg off of the bike and tighten. **Torque to 6 ft-lbs (8 N-m)**

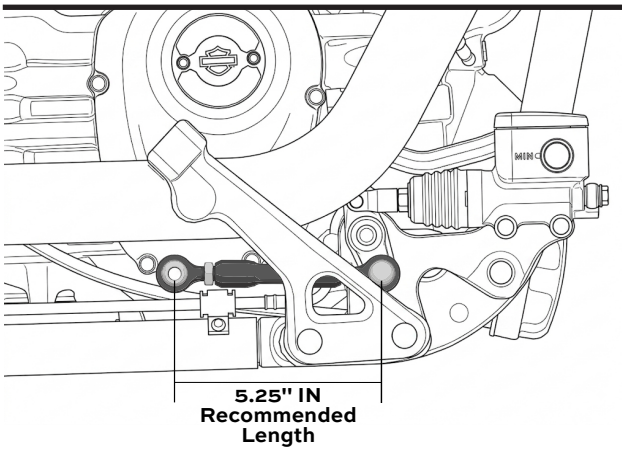
- Install both as one on the Brake Lever and tighten. **Torque to 6 ft-lbs (8 N-m)**

- Rotate and adjust Brake Rod for fine tuning the brake lever. Once in a comfortable position, tighten the adjuster nuts on the Brake Rod.

Installation is now complete!







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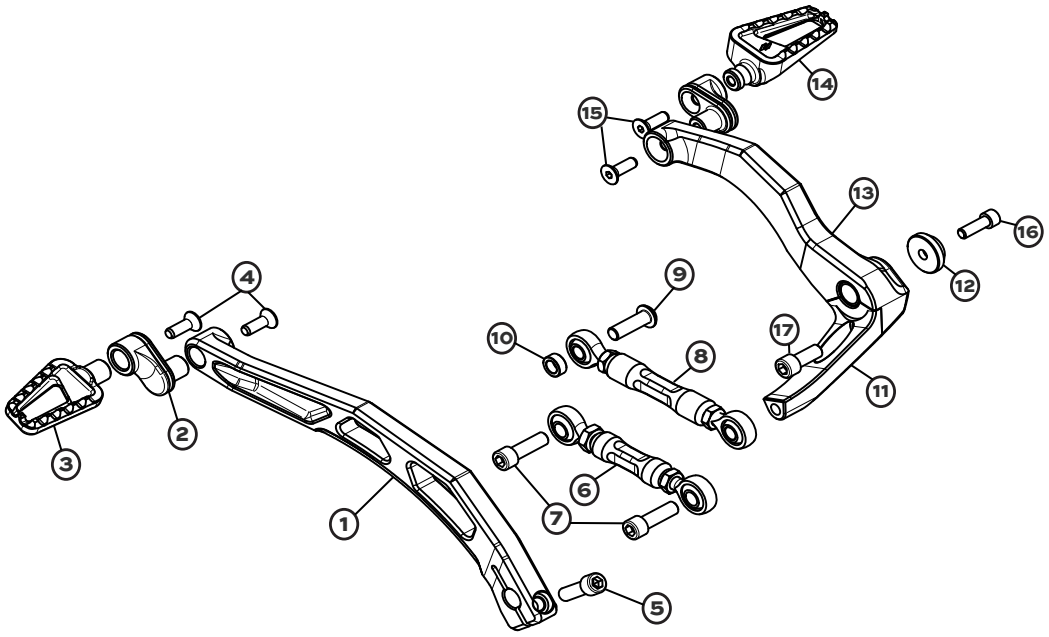

(Item)	(Quantity)	(Description)
1	1	Softail Shift Arm (Black or Machine)
2	2	Toe Peg Pivot (Black or Machine)
3	1	Shift Toe Peg (Black or Machine)
4	2	1/4"-20 x 3/4" ASTM Hex Drive Grade 18-8 Stainless Steel Flat Socket Cap Screw
5	1	5/16"-18 x 1" Long Socket Head Screw
6	1	SX3 Softail Shift Rod
7	2	5/16"-24 x 1" L 1/4" Hex Drive 18-8 Plain Stainless Steel Socket Head Cap Screw
8	1	SX3 Softail Brake Rod
9	1	5/16"-24 Thread Size x 1" Long Hex Drive 18-8 Stainless Steel Button Socket Cap Screw
10	1	Spacer 5/16" ID x 1/2" OD x .215" length
11	1	Softail Brake Pivot Arm (Black or Machine)
12	1	Softail Brake Pivot Cap (Black or Machine)
13	1	Softail Brake Lever Arm (Black or Machine)
14	1	Brake Toe Peg (Black or Machine)
15	2	1/4"-20 x 3/4" ASTM Hex Drive Grade 18-8 Stainless Steel Flat Socket Cap Screw
16	1	1/4"-20 x 3/4" Long Hex Drive 18-8 Stainless Steel Socket Cap Screw
17	1	5/16"-18 Thread Size, 3/4" Long, Hex Drive 18-8 Stainless Steel Socket Cap Screw

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