



INSTALL MANUAL

**STREET PERFORMANCE
DYNA AND SOFTAIL
CARTRIDGE KITS**

PRODUCTS COVERED IN THIS MANUAL

Kit PN	Description
890-27-007	Harley-Davidson, AM, M8 Softail, Fork Cartridge, 49mm
890-27-008	Harley Davidson, AM, Dyna, Fork Cartridge, 49mm



49mm cartridge

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COMPATIBILITY CHART

Make	Platform	Model Name	Model Code	Starting Year	Ending Year	Fork Diameter	Fork Cartridge Kit
							Standard
Harley-Davidson	Dyna	35th Anniversary Super Glide	FXD35	2006	2006	49MM	890-27-008
Harley-Davidson	Dyna	Fat Bob	FXDF	2008	2017	49MM	890-27-008
Harley-Davidson	Dyna	Low Rider	FXDL	2006	2017	49MM	890-27-008
Harley-Davidson	Dyna	Street Bob	FXDB	2006	2017	49MM	890-27-008
Harley-Davidson	Dyna	Super Glide	FXD	2006	2010	49MM	890-27-008
Harley-Davidson	Dyna	Super Glide Custom	FXDC	2006	2014	49MM	890-27-008
Harley-Davidson	Softail	Street Bob	FXBB	2018	2020	49MM	890-27-007
Harley-Davidson	Softail	Deluxe	FLDE	2018	2020	49MM	890-27-007
Harley-Davidson	Softail	Slim	FLSL	2018	2020	49MM	890-27-007
Harley-Davidson	Softail	Heritage	FLHC / S	2018	2020	49MM	890-27-007
Harley-Davidson	Softail	Low Rider	FXLR	2018	2020	49MM	890-27-007

NOTICE

If you can not find your motorcycle listed above please contact FOX Service Center at **1.831.740.4619** or **pservicemw@ridefox.com** to check your fitment.

⚠ WARNING

Always use a calibrated torque wrench when tightening components. Failure to properly torque the parts can result in separation of the fork which could cause loss of control resulting in a crash, bodily injury, or death!

Always use the appropriate lift equipment and ensure the vehicle is securely supported so that it will not tip. Placing body parts beneath an unstable vehicle may lead to serious injury or death.

It is advisable to have a professional motorcycle mechanic install the cartridge kit. In addition to these instructions, professional knowledge of disassembly/reassembly procedures and post installations checks must be known.

FOX recommends that you become thoroughly familiar with the handling characteristics of your modified vehicle before operating it under rigorous conditions. This will help to avoid potential loss of control events that could lead to serious injury or death. FOX further recommends that you use appropriate protective equipment at all times when operating your vehicle.

Please read the instruction manual completely before attempting to install your cartridge kit. When working on this product, always see the vehicle manufacturer's work shop manual for vehicle specific procedures and important specifications. Be sure to clean the components you intend to modify to avoid contamination or damage during the installation process.

THE SPRINGS ARE COATED WITH A CORROSION-RESISTANT OIL THAT REQUIRES EYE PROTECTION AND GLOVES FOR SAFE HANDLING. AVOID CONTACT WITH EYES AND SKIN. DO NOT INGEST AND AVOID REPEATED INHALATION OF VAPOR.

FIRST-AID MEASURES:

INHALATION: Move person to fresh air. If not breathing, give artificial respiration. If a problem develops or persists, seek medical attention.

SKIN CONTACT: Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention. Discard contaminated leather articles such as shoes and belt.

EYE CONTACT: Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.

INGESTION: DO NOT INDUCE VOMITING! Never give anything by mouth if victim is unconscious or convulsing. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. Seek medical attention or contact POISON CENTER immediately.

REQUIRED TOOLS SPECIFIC TO CARTRIDGE KIT ASSEMBLY:

- Gloves
- Safety glasses
- Vehicle manufacturer's workshop manual
- 13mm socket and extensions
- 33mm socket
- Torque wrench
- Fork vice
- Bench vice
- Loctite® 565™
- 1 quart FOX 5WT PTFE infused suspension fluid (included)
- Graduated cylinder (or container) for measuring fork oil
- 12mm long Allen bit
- Assorted sockets, ratchets, Allen bits and Torx® bits for fork removal and install




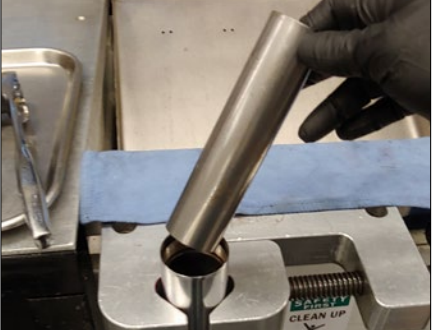
Required tools and supplies may change over time. Visit ridefox.com or contact a representative for the most up-to-date details.

FORK DISASSEMBLY






Remove the fork legs from your motorcycle according to your vehicle manufacturer's workshop manual and secure them in a fork clamp.
Note: All fork disassembly instructions are repeated for the second fork leg.

⚠ WARNING

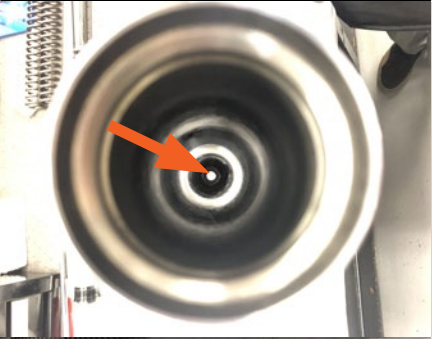




Wear SAFETY GLASSES and RUBBER GLOVES when disassembling and reassembling fork legs as they are under spring tension and contain oil.

	STEPS	IMAGES
1	<p>Clamp the fork in fork vice, then loosen the top cap with appropriately sized tool.</p> <p>NOTICE</p> <p>Use care when clamping not to damage fork leg.</p>	
2	<p>Keep downward force on the top cap and tool while unthreading the cap.</p>	
3	<p>⚠ WARNING</p> <p>Remove the top cap keeping your body and other objects out of the path of the cap. (Note: The top cap may come out with more force than you expect).</p>	
4	<p>Remove the stock preload spacer.</p>	






FORK DISASSEMBLY

	STEPS	IMAGES
5	Remove the stock spring washer.	
6	Remove the stock spring.	
7	<p>Fully compress the fork several times while holding upside down to drain oil into a clean container. Clamp the lower portion of the fork leg in a vise with access to lower screw.</p> <p style="text-align: center;">NOTICE</p> <p>Use care when clamping not to damage fork leg.</p>	
8	Remove the damping post retaining screw. It helps to apply pressure to the damping post with the main spring to keep the post from turning inside the leg.	
9	Compress the fork to hold the bottom-out cup in place. Turn the fork upside down to remove the damping post and negative spring.	

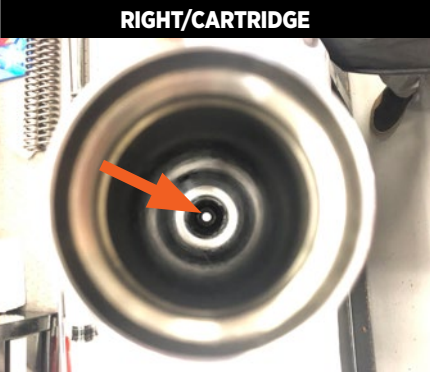




FORK REASSEMBLY: LEFT LEG (CLUTCH SIDE)

	STEPS	LEFT/SPRING
1	Ensure the bottom out cup is seated correctly (if seated correctly you will see a circle of light through the hole in the bottom of the leg).	
2	Put the negative spring on the extender post and slide both into the fork leg. Reuse your stock negative spring (small spring).	
3	Inspect the lower screw copper washer. Replace if necessary.	
4	Apply Loctite® 565™ thread sealant to the screw.	
5	Hold extender post in place using a 13mm socket and extensions. Install damping post screw. Torque to the manufacturer's specification.	






FORK REASSEMBLY: LEFT LEG (CLUTCH SIDE)

	STEPS	LEFT/SPRING
6	<p>Install the spring into the left fork leg and place the supplied washer on top of the spring.</p>	
7	<p>For Dyna kit (890-27-008) add 450ml of the included FOX 5WT PTFE infused suspension fluid. (included with kit)</p> <p>For M8 Softail kit (890-27-007) add 400ml of the included FOX 5WT PTFE infused suspension fluid. (included with kit)</p>	
8	<p>Install the supplied spacer on top of the washer and the spring.</p>	
9	<p>Compress the assembly into the fork leg using the supplied top cap.</p>	
10	<p>Using 33mm socket, torque the top cap to the manufacturer's specifications.</p>	



FORK REASSEMBLY: RIGHT LEG (THROTTLE SIDE)

STEPS		RIGHT/CARTRIDGE
1	Ensure the bottom out cup is seated correctly (if seated correctly you will see a circle of light through the hole in the bottom of the leg)	
2	Put the negative spring on the extender post and slide both into the fork leg. Reuse your stock negative spring (small spring).	
3	Install the cartridge assembly into right fork leg only.	
4	Clamp the fork leg in fork vice.	
5	Compress the cartridge assembly and temporarily thread the top cap into the fork leg using a 33mm socket.	

FORK REASSEMBLY: RIGHT LEG (THROTTLE SIDE)

	STEPS	RIGHT/CARTRIDGE
6	Inspect the lower screw copper washer. Replace if necessary.	
7	Apply Loctite® 565™ thread sealant to the lower screw.	
8	Clamp the lower leg in a vice and install the lower screw and copper washer. Torque to the manufacturer's specification.	
9	Clamp the upper tube in the fork vice and unthread the top cap and slide the lower fork leg up to expose the spring and cartridge.	
10	<p>For Dyna kit (890-27-008) add 450ml of the included FOX 5WT PTFE infused suspension fluid. (included with kit)</p> <p>For M8 Softail kit (890-27-007) add 400ml of the included FOX 5WT PTFE infused suspension fluid. (included with kit)</p>	

FORK REASSEMBLY: RIGHT LEG (THROTTLE SIDE)

	STEPS	RIGHT/CARTRIDGE
11	Compress the cartridge assembly into the fork leg.	
12	Thread the cartridge into the leg using a 33mm socket, torque to the manufacturer's specifications.	
13	Install the forks back into the triple clamps and reassemble the rest of the motorcycle completely according to your vehicle manufacturer's workshop manual before riding.	
14	It is normal to hear some spring rubbing noise during the first few miles of use. Once the oil coats the inside of the fork, the noise should go away.	

MAINTENANCE

SEE OIL CHANGE INTERVAL LISTED IN VEHICLE SERVICE MANUAL. ALWAYS USE FOX SUSPENSION FLUID WHEN SERVICING THE FOX GRIP STREET PERFORMANCE FORK CARTRIDGE KIT.

It is important to keep the forks clean and free of dirt.

The service interval is listed in the vehicle manufacturer's workshop manual. FOX 5WT PTFE infused suspension fluid (Part # 025-03-023) should be used when servicing.

WARRANTY

All FOX products have a one-year warranty on defects in materials or workmanship. Please view the full warranty terms and conditions at ridefox.com Help Center/Powersports/Warranty or contact a representative at: 1.831.740.4619. A service RMA # will be issued and shipping instructions will be provided .

SERVICE

Contact FOX Service Center at **1.831.740.4619** or psservicemw@ridefox.com to receive a return authorization number and shipping address of your nearest service center.

FOX Powersports Service
130 Hangar Way
Watsonville, CA 95076

FOX Midwest Service Center
13461 Dogwood Drive
Baxter, MN 56425



SHOCKS NEED LOVE TOO

FOX SHOCKS SERVICE & UPGRADES

HAVE YOUR FOX SHOCKS SERVICED BY FOX TECHNICIANS. CALL OUR MOTORCYCLE SERVICE CENTER AT 831.740.4619 TO GO OVER THE SERVICE OPTIONS AVAILABLE FOR YOUR SHOCKS. ONCE YOU'VE SETUP YOUR SERVICE YOU WILL RECEIVE A RETURN AUTHORIZATION NUMBER SHIPPING INSTRUCTIONS.

COMPLETE SERVICE INTERVALS

- NORMAL USE:
AS LISTED IN THE VEHICLE MANUFACTURER'S WORKSHOP MANUAL.
- EXTREME USE:
MAY REQUIRE MORE FREQUENT SERVICE.

SERVICE MENUS & PRICING

VISIT RIDEFOX.COM/SERVICE



WARNING: Cancer and Reproductive Harm –
www.P65Warnings.ca.gov