

FEULING

XL SPORTSTER FASTENER INSTALLATION INSTRUCTIONS

PART #S:
3011, 3060, 3063, 3066,
3120, 3122, 3124

IMPORTANT NOTICE:

This installation should be done by an experienced mechanic who has access to a factory service manual and all required tools.

CAUTION:

Incorrect installation can cause engine damage not covered under warranty. Failure to install components correctly can cause engine seizure. Engine seizure may result in serious injury to motorcycle, operator, passenger, and/or others. Improperly torqued bolts may result in oil leaks and distortion of components. If replacing the engines head bolts or studs always use new head & base gaskets.

Some fastener kits may include fasteners not applicable to your model.

INSTRUCTIONS:

1. Refer to the proper service manual for your model motorcycle engine.
2. Wash, clean and inspect all new Feuling hardware.
3. Clean and inspect all bolt holes.
4. Lightly coat the under head flange of all bolts with moly lube as well as washers when applicable.
5. Lightly coat threads with Loctite when and where applicable. (See owners manual)
6. It is recommended to use new gaskets and O-rings to insure proper sealing.
7. Check gaskets and O-rings for proper installation.
8. When installing fasteners on moving parts always rotate engine over several times before tightening to insure the parts are centered.
9. First finger tight each fastener using the proper sequence from your service manual, if no sequence is giving always use an alternating sequence starting in the center working your way out.
10. Torque the fasteners following your recommended torque values and always tighten fasteners stepping the torque value in small increments.



U.S. STANDARD TORQUE VALUES BY **ARP** automotive Racing products

FASTENER DIAMETER	TORQUE ARP LUBE (FT/LBS.)	PRELOAD (LBS.)
1/4"	12	3,492
5/16"	24	5,805
3/8"	45	8,622

* STANDARD 1 YEAR WARRANTY:

- WARRANTY COVERS MANUFACTURE DEFECTS.
- DOES NOT COVER PARTS THAT HAVE FAILED DUE TO IMPROPER INSTALLATION, MAINTENANCE, EXCESSIVE CRANKSHAFT RUNOUT, OR MISUSE.
- DOES NOT COVER ANY CONSEQUENTIAL DAMAGE RESULTING FROM A FAILURE OF A FEULING PRODUCT.

* OPTIONAL 2 YEAR WARRANTY:

- ADDITIONAL YEAR WARRANTY IS ONLY AVAILABLE IF PARTS ARE INSTALLED BY A PROFESSIONAL INSTALLER.
- THE ONLINE WARRANTY FORM MUST BE COMPLETED BY THE DEALER PRIOR TO BIKE DELIVERY.
- OIL TANK MUST BE DROPPED & CLEANED.
- CRANKSHAFT RUNOUT MUST BE BELOW 0.005"

NOTE: FOR FULL WARRANTY INFORMATION VISIT WWW.FEULINGPARTS.COM/WARRANTY

Part # Description Qty.

#3011	STAINLESS HEAD BOLT KIT, XL SPORTSTER '57-'73	
3011-01	Head Bolts	10
3011-02	Washers	10

#3060	12PT STAINLESS EXTERNAL ENGINE KIT, XL SPORTSTER 04-22	
3060-01	Right Side Engine Cover 3/8-16 x 2.500	1
3060-02	Right Side Engine Cover 1/4-20 x 1.250 (use 1/4" washer)	1
3060-03	Right Side Points Cover 8-32 x 3/8	2
3060-04	Right Side Engine Cover 1/4-20 x 1.750 (use 1/4" washer)	6
3060-05	Right Side Engine Cover 1/4-20 x 2.250 (use 1/4" washer)	7
3060-06	Front Engine Mounts 7/16-14 x 1.000	2
3060-07	Crank Sensor 1/4-20 x .515	1
3060-08	Case Bolts 5/16-18 x 1.500	4
3060-09	Case Bolts 5/16-18 x 3.000	4
3060-10	Lifter Block 1/4-20 x 1.000. (use 1/4" washer)	8
3060-11	Rocker Boxes 1/4-20 x 1.000 (use 1/4" washer, with factory seal washer)	8
3060-12	Top Engine Left Breather Mount 3/8-16 x .750	2
3060-13	1/4" Washers	30
3060-14	7/16" ID - 13/16" OD Washers	2
3060-15	3/8" ID - 11/16" OD Washer	1

#3063	12PT STAINLESS BOLT KIT, PRIMARY, XL SPORTSTER 04-22	
3063-01	Primary Cover 1/4-20 x 2.000" (use 1/4" washer)	16
3063-02	Clutch Cover 1/4-20 x 0.515" (use 1/4" washer)	6
3063-03	1/4" Washer	22

#3066	ARP 12PT STAINLESS BOLT KIT, CHASSIS DRESS UP, XL SPORTSTER 04-22	
3066-01	Front Caliper M10-1.50 x 1.375"	2
3066-02	Front Brake Rotor 5/16-18 x .750	5
3066-03	Rear Brake Rotor 3/8-16 x 1.000 (use 5/8" OD washer)	5
3066-04	Top Fork Clamp w/ Blinkers 3/8-16 x 1.500 (use 5/8" OD washer)	4
3066-05	Left Side Master Cylinder Lines 3/8-16 x .500 (use 11/16" OD washer)	1
3066-06	Rear Fender Struts 5/16-18 x 1.750	2
3066-07	Rear Fender Struts 5/16-18 x 1.250	2
3066-08	Rear Belt Guard 5/16-18 x 1.000"	1
3066-09	3/8" ID - 11/16" OD Washer	1
3066-10	5/16" Washer	1
3066-11	3/8" ID - 5/8" OD Washers	9

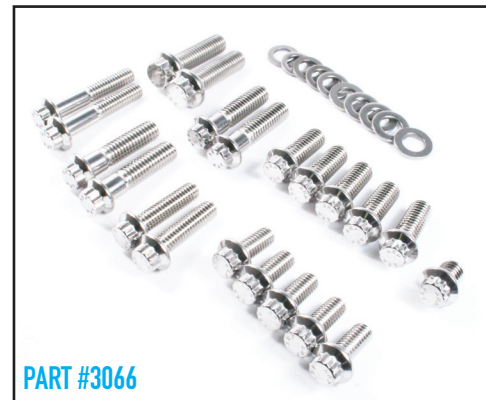
#3120	ARP 12PT STAINLESS EXTERNAL ENGINE KIT, XL SPORTSTER 91-03	
3120-01	Rocker Cover 1/4-20 x 1.000" 12pt S/S (use 1/4" large OD washer)	8
3120-02	Lifter Block 5/16-18 x 0.75" (use 5/16" washers)	4
3120-03	Front Engine Mount 3/8-16 x 1.250" (use 3/8" washer & lock washer)	1
3120-04	Front Engine Mount Nut 3/8-24 Nut (use 3/8" washer & lock washer)	1
3120-05	Case Bolts 5/16-18 x 2.50"	2
3120-06	Case Bolts 5/16-18 x 0.750" ('98-'03 Models)	4
3120-07	Case Bolts 5/16-18 x 0.750" ('91-'97 Models)	3
3120-08	Right Side Engine Cover 1/4-20 x 1.750"	3
3120-09	Right Side Engine Cover 1/4-20 x 1.250"	1
3120-10	Right Side Engine Cover 1/4-20 x 2.250"	5
3120-11	Right Side Engine Cover 1/4-20 x 2.00"	2
3120-12	Center Engine/Choke Mount 3/8-16 x 1.250" (use 3/8" HD washers)	2
3120-13	Timing Cover 8/32 x 5/8" (cover plate requires 8/32" tap)	2
3120-14	1/4" Large OD Washers	8
3120-15	1/4" Foamet Gasket	8
3120-16	3/8" HD Washers	5
3120-17	5/16" Washers	4
3120-18	3/8" Lock Washers	2

#3122	ARP 12PT STAINLESS BOLT KIT, PRIMARY, XL SPORTSTER 91-03	
3122-01	Primary Cover 1/4-20 x 1.750" (use washers)	7
3122-02	Primary Cover 1/4-20 x 2.250" (use washers)	4
3122-03	Clutch Cover 1/4-20 x 0.750"	4
3122-04	1/4" Washers	11

#3124	ARP 12PT STAINLESS BOLT KIT, CHASSIS DRESS UP, XL SPORTSTER 94-03	
3124-01	Rear Brake Rotor 3/8-16 x 1.00" (no washers)	5
3124-02	Lower Front Caliper Mount M10-1.50 x 35mm ('00-'03 fitment)	1
3124-03	Upper Front Caliper Mount M10-1.50 x 35mm ('00-'03 fitment)	1
3124-04	Front Caliper Mount 3/8-16 x 2.00" (use washer, '94-'99 fitment)	1
3124-05	Rear Fender Struts, Rear 5/16-18 x 1.250" (use washer)	2
3124-06	Rear Fender Struts, Front 5/16-18 x 1.500" (use washer)	2
3124-07	Rear Belt Guard 5/16-18 x 0.750" (use washer & factory nut)	1
3124-08	Rear Brake Master Cylinder 5/16-18 x 2.250" (use washers)	2
3124-09	Fork Clamps 3/8-16 x 1.50" (use washers)	4
3124-10	Voltage Regulator Mount 1/4-20 x 0.750" (use washers, use factory lock nuts on '94 models)	2
3124-11	Axle Nut, Front 1/2-20 nut (use washer & factory lock washer)	1
3124-12	1/4" Washers	2
3124-13	5/16" Washers	7
3124-14	3/8" Washers	5
3124-15	1/2" Washer	1



PART #3011



PART #3066



PART #3122