



FEULING

FASTENER INSTALLATION INSTRUCTIONS

PART #'S:
3030, 3031, 3035, 3040,
3042, 3045, 3046, 3047,
3048, 3050, 3051

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  *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.**

3000	T/C CYLINDER STUDS & HEAD BOLTS	
3000-01	T/C Cylinder Studs 3/8 – 16 x 6.325"	8
3000-02	Head Bolts (short) 1.875"	4
3000-03	Heads Bolts (long) 3.175"	4
3001	T/C CYLINDER STUDS (3000-01)	8
3005	HEAD BOLTS, T/C, EVO. SPORTSTER (3000-02, 3000-03)	8
3006	HEAD BOLTS FOR S&S HEADS REQUIRING ALL 8 LONG BOLTS	8
3025	EVO CYLINDER STUDS & HEAD BOLTS	
3000-02	Head Bolts (short) 1.875"	4
3000-03	Heads Bolts (long) 3.175"	4
3025-01	EVO Cylinder Studs 3/8 – 16 x 6.675"	8
3026	EVO CYLINDER STUDS (3025-01)	8
3030	T/C 12 PT. CASE BOLT DRESS UP KIT	
3030-01	Stainless 12 point 5/16 – 18 x 3.000"	9
3030-02	Stainless Washer 5/16"	9
3030-03	Stainless 12 point 5/16 – 18 x 3.750" (CVO center bolt)	1
3031	T/C 12 PT. CASE BOLT DRESS UP KIT	
3031-01	Stainless 12 point 5/16 – 18 x 3.000"	12
3031-02	Stainless Washer 5/16"	12
3031-03	Stainless 12 point 5/16 – 18 x 3.750" (CVO center bolt)	1
3033	T/C 12 PT. LIFTER BLOCK BOLT KIT	
3033-01	Stainless 12 point 1/4-20 x 1.000"	8
3035	T/C 12 PT. DRESS UP KIT, LIFTER BLKS., CAM COVER, OIL FILTER ADAPTER, CRANK SENSOR	
3035-01	Lifter Block, stainless ¼ -20 x 1.000	8
3035-02	Cam Cover, stainless ¼-20 x 1.250	10
3035-03	Oil Filter adapter, stainless ¼-20 x 1.000	3
3035-04	Crank sensor, stainless ¼-20 x 0.500	1
3040	T/C ROCKER COVERS	
3040-01	Rocker Cover, stainless 5/16-18 x 1.000	6
3040-02	Rocker Cover, stainless 5/16-18 x 1.750	6
3042	T/C 12PT. CAM & PINION SHAFT BOLTS & WASHERS	
3042-01	Camshaft Bolt, blk. oxide 3/8-24 x 1.750	1
3042-02	Pinion Shaft, blk. oxide 5/16-18 x .750	1
3042-03	Camshaft Washer, blk. oxide 3/8	1
3042-04	Pinion Shaft Washer, blk. oxide 5/16	1
3045	T/C 12PT. ROCKER ARM SUPPORTS, HOUSINGS, BREATHERS ('99-'00 DYNA & FLT, '00-'01 SOFTAIL)	
3045-01	Rocker Arm Supports, blk. oxide 5/16-18 x 2.750	4
3045-02	Rocker Arm Supports, blk. oxide 5/16-18 x 2.500	4
3045-03	Rocker Box Housing, blk. oxide 5/16-18 x 1.750	4
3045-04	Rocker Box Housing, blk. oxide 5/16-18 x 1.250	8
3045-05	Breathers, blk oxide ¼-20 x 2.250	4
3046	T/C 12PT. ROCKER ARM SUPPORTS, HOUSINGS, BREATHERS ('01-PRESENT DYNA & FLT, '02-PRESENT SOFTAIL)	
3045-02	Rocker Arm Supports, blk. oxide 5/16-18 x 2.500 (use washer)	8
3045-03	Rocker Box Housing, blk. oxide 5/16-18 x 1.750 (use washer)	4
3045-04	Rocker Box Housing, blk. oxide 5/16-18 x 1.250 (use washer)	8
3045-05	Breathers, blk oxide ¼-20 x 2.250 (early model)	4
3045-06	Rocker Arm Supports/Housings washers, blk oxide 5/16	20
3046-07	Breathers, blk oxide ¼-20 x 1.675 (late model, use washer)	4
3046-08	Breather bolt washers, small OD, blk oxide 1/4	4
3048	T/C EXHAUST STUD KIT	
3048-01	Exhaust Studs 5/16 x 1.700	4
3048-02	12 pt. self locking nut 5/16-24	4



PART #3033



PART #3042



PART #3048

3049 **T/C ENGINE BOLT KIT, FITS T/C '99 - 17' A & B MOTORS**
Part #'s Include: 3031 Case Bolts (12), 3035 Lifter Blocks (22), 3040 Rockers Covers (12), 3048 Exhaust Studs (4)

3050 **COMPLETE T/C FASTENER KIT: #3000, 3030, 3035, 3040, 3042, 3045, 3048 ('99-'00 Dyna & FLT, '00-'01 Softail)**

3051 **COMPLETE T/C FASTENER KIT: #3000, 3031, 3035, 3040, 3042, 3046, 3048 ('01-present Dyna & FLT, '02-present Softail)**

