



FEULING®

FEULINGPARTS.COM

FUEL INJECTOR INSTRUCTIONS

Quality OEM replacement & high flow top feed fuel injectors compatible with standard gasolines. High flow injectors for race application use only. Sold individually. Flow rates based on 4 bar/ 58 PSI.

IMPORTANT NOTICE

THIS INSTALLATION SHOULD BE DONE BY AN EXPERIENCED MECHANIC WHO HAS ACCESS TO A FACTORY SERVICE MANUAL & 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, & OR OTHERS.
- IMPROPERLY TORQUED BOLTS MAY RESULT IN LEAKS & DISTORTION OF COMPONENTS.
- WHEN SERVICING THE FUEL SYSTEM, DO NOT SMOKE OR ALLOW OPEN FLAME OR SPARKS IN THE VICINITY. GASOLINE IS EXTREMELY FLAMMABLE & HIGHLY EXPLOSIVE, WHICH COULD RESULT IN DEATH OR SERIOUS INJURY.

NOTICE: YOU MUST RECALIBRATE THE ECM WHEN INSTALLING UPDATED FUEL INJECTORS, FAILURE TO RECALIBRATE THE ECM CAN RESULT IN SEVERE ENGINE DAMAGE.

INSTALLATION

1. Refer to your owner's manual to locate & remove the main fuse.
2. Refer to the service manual for your motorcycle for fuel injector replacement. refer to Section FUEL INJECTION, Fuel Rail/Fuel Injectors of the applicable service manual for instructions.
3. Installation of this kit requires a re-calibration. If cylinder heads are equipped with ACR's, failure to download correct calibration update before starting motorcycle can result in ACR failure.
4. Before calibrating the ECM, if cylinder heads are equipped with ACR's, disconnect the ACR harnesses. Not disconnecting the ACR harnesses can cause ACR failure.
5. Refer to the owner's manual to install the main fuse.
6. Recalibrate the ECM prior to starting the vehicle.

LEGEND	OE STOCK REPLACEMENT	HIGH FLOW
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FEULING #	DRAG #	PLUG	FLOW	02-'05	06-'07	08-'16	17-'20	04-'05	06-'17	01-'05	06-'15	16-'17	18-'20	07-'17	02-'17
				Touring	Touring	Touring	Touring	Dyna	Dyna	Softail	Softail	Softail	Softail	Sportster	VROD
9946	1022-0118	EV-1	3.8 g/s											X	
9941	1022-0113	EV-1	4.3 g/s	X		X		X		X		X		X	
9948	1022-0119	EV-1	5.1 g/s	X		X		X		X		X		X	X
9945	1022-0228	EV-1	5.3 g/s	X		X		X		X		X		X	X
9943	1022-0115	EV-1	5.7 g/s	X		X		X		X		X		X	X
9939	1022-0231	EV-1	6.2 g/s	X		X		X		X		X		X	X
9947	1022-0161	EV-1	8.2 g/s	X		X		X		X		X		X	X
9940	1022-0112	EV-6	3.91 g/s		X				X		X				
9942	1022-0114	EV-6	4.9 g/s		X				X		X				
9949	1022-0120	EV-6	5.3 g/s		X				X		X				
9944	1022-0116	EV-6	6.2 g/s		X				X		X				
9934	1022-0229	EV-6	5.3 g/s				X						X		
9935	1022-0230	EV-6	6.1 g/s				X						X		

* 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

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. FEULING DOES NOT RECOMMEND TUNING BEYOND STOCK EMISSION STANDARDS.

3740 Oceanic Way - #304 - Oceanside, CA. 92056 // www.FeulingParts.com // 1(866)966-9767

EV-1

3.8 g/s



Part # 9946 // Drag # 1022-0118

- EV-1 Plug in.
- 07 - Later XL engines.
- Delivers fuel at 3.8+ grams per second with 4 spray holes.
- Recommended for stock to mild performance engines.

4.3 g/s



Part # 9941 // Drag # 1022-0113

- EV-1 Plug in.
- 02-16 Touring (except 06-07), 04-05 Dyna, 01-05 Softail, 16-17 Softail, 07-17 Sportster
- Delivers fuel at 4.3 grams per second with a 4 hole cone spray pattern.
- Excellent choice for performance XL engines looking for a higher flow rate.

5.1 g/s



Part # 9948 // Drag # 1022-0119

- EV-1 Plug in.
- 02-17 VR0D: High Flow 02-16 Touring (except 06-07), 04-05 Dyna, 01-05 Softail, 16-17 Softail, 07-17 Sportster.
- Delivers fuel at 5.1 grams per second with 4 spray holes and 20 degree dual spray pattern.

5.3 g/s



Part # 9945 // Drag # 1022-0228

- EV-1 Plug in.
- 02-16 Touring (except 06-07), 04-05 Dyna, 01-05 Softail, 16-17 Softail, 07-17 Sportster.
- Delivers fuel at 5.3 grams per second with a 4 hole cone spray pattern.

5.7 g/s



Part # 9943 // Drag # 1022-0115

- EV-1 Plug in.
- 02-16 Touring (except 06-07), 04-05 Dyna, 01-05 Softail, 16-17 Softail, 07-17 Sportster.
- Delivers fuel at 5.7+ grams per second with a 3-13 degree cone spray pattern.

6.2 g/s



Part # 9939 // Drag # 1022-0231

- EV-1 Plug in.
- '02-'16 Touring (except '06-'07).
- '04-'05 Dyna, '01-'05 Softail, '16-'17 Softail, 07-17 Sportster.
- Delivers fuel at 6.2 grams per second with a single hole, cone spray pattern.

8.2 g/s



Part # 9947 // Drag # 1022-0161

- EV-1 plug in.
- 02-16 Touring (except 06-07), 04-05 Dyna, 01-05 Softail, 16-17 Softail, 07-17 Sportster, 02-17 VR0D.
- Delivers fuel at 8.2+ grams per second with 26 degree cone spray pattern.

TWIN CAM, EVO, & XL

3.91 g/s



Part # 9940 // Drag # 1022-0112

- EV-6 plug in.
- 06-07 Touring, 06-17 Dyna, 06-15 Softail.
- Delivers fuel at 3.91 grams per second.
- New style updated 25° angle cone spray with 6 spray hole nozzle ends.

4.9 g/s



Part # 9942 // Drag # 1022-0114

- EV-6 plug in.
- 06-07 Touring, 06-17 Dyna, 06-15 Softail.
- Included SE 50, 58 and 62mm cable drive throttle bodies.
- Injectors provide 25% more fuel than the OE injectors.
- Delivers fuel at 4.9 grams per second through 4 spray holes with a dual pattern 13°/6°.

5.3 g/s



Part # 9949 // Drag # 1022-0120

- EV-6 Plug in.
- 06-07 Touring, 06-17 Dyna, 06-15 Softail.
- Injectors provide 35% more fuel than the OE injectors.
- Delivers fuel at 5.3 grams per second.

6.2 g/s



Part # 9944 Drag # 1022-0116

- EV-6 Plug in.
- 06-07 Touring, 06-17 Dyna, 06-15 Softail and engines.
- Provides 59% more fuel than the OE injectors, delivering fuel at 6.2 grams per second.

MILWAUKEE EIGHT

'17 - '20 Touring & Softail models

5.3 g/s



Part # 9934 // Drag # 1022-0229

- EV-6 plug in.
- 20% more fuel than OE injectors.
- 3.5% less than the SE 5.5 G/S injectors.
- Delivers fuel at 5.3 grams per second through multiple spray holes.

6.1 g/s



Part # 9935 // Drag # 1022-0230

- EV-6 plug in.
- 27% more fuel than OE injectors.
- 11% more than SE 5.5 G/S injectors.
- Delivers fuel at 6.1 grams per second through multiple spray holes.