

FUEL INJECTORS

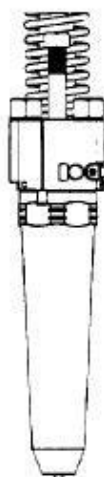


PLATE A111-1

FUEL INJECTOR REFERENCE CHART

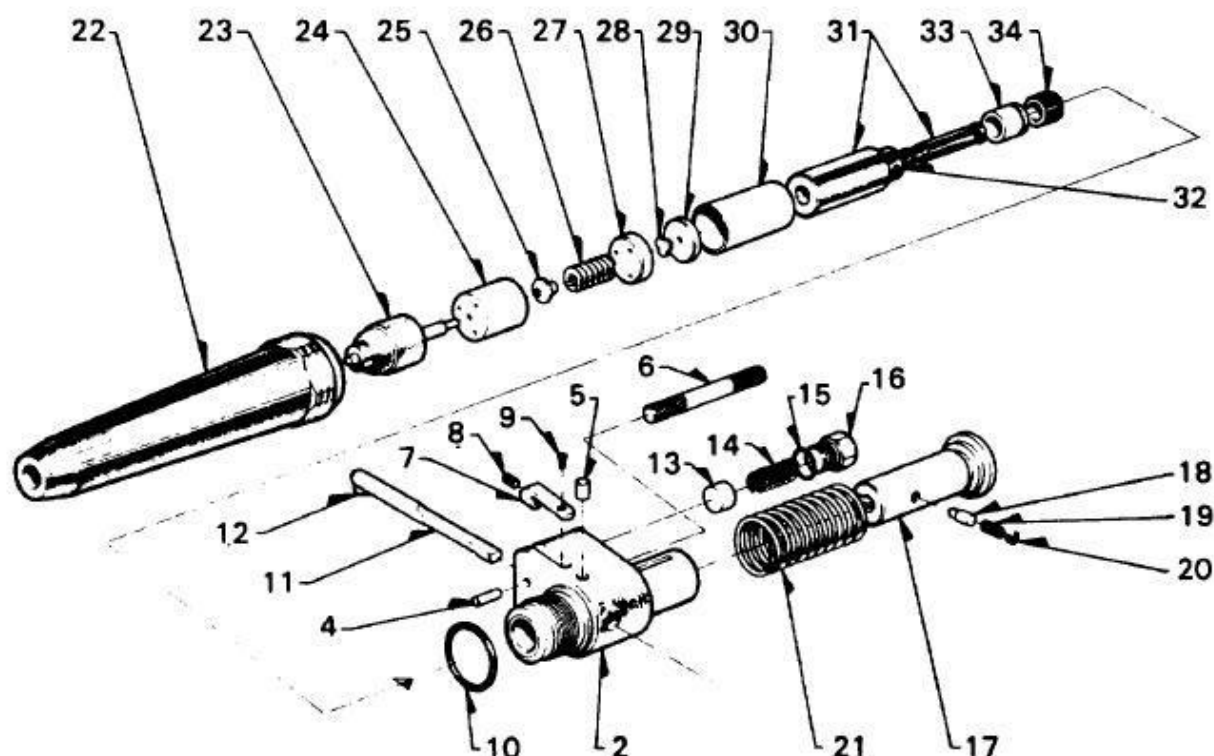
Ref. No.	Injector Part No.	Replaces	Replaced By	UTEX Part No.	Low Smoke	Application
1	5228830	----	5229200	8478045	No	8,12,16-645E engines
†2	5229200	5228830	----	8478045	Yes	8,12,16-645E engines
3	5228895	----	5229250	8478046	No	12,16,20-645E3 engines
†4	5229250	5228895	----	8478046	Yes	12,16,20-645E3 engines
5	5228800	----	5229290	8478048	No	16-567D1 engines
†6	5229290	††5228540 5228800	----	8478048	Yes	16-567D1 and 8,12,16-645E (High altitude)
7	5228750	----	5229310	8478051	No	16-567D2,D3,D3A engines
8	5229285	----	5229310	8478051	Yes	16-567D2,D3,D3A engines
†9	5229310	††5228605 5228750 5229285	----	8478051	Yes	16-567D2,D3,D3A engines
10	5229000	----	5229320	8478053	No	16-645E3A engines
†11	5229320	5229000	----	8478053	Yes	8-645E3B; 16-645E3,E3A; 20-645E3B engines
†12	5229500	----	----	9081163	Yes	16-645E engines with 15 port liners
†13	5229510	----	----	9081164	Yes	8,12,16-645E engines rated at 835 RPM
†14	5229710	----	----	9333858	Yes	16-645E3A (F40PH); 8-645F3B; 12,16-645F3,F3B engines
†15	5229335	----	----	8478055	Yes	8-645E3C; 12-645E3B,E3C; 16-645E3B,E3C engines
†16	5226210	----	----	9561950	Yes	16-645F3B engines

† All replacement and current fuel injectors are low smoke with Low-Sac spray tips. Components of the current and previous design injectors differ only in the type of spray tips. All replacement spray tips for the previous style injectors will be of the current Low-Sac design.

†† For injectors without calibration slide - see Pages 5-7.

P.L. No. A111

FUEL INJECTORS



Ref. No. 1

PLATE A111-2

Ref. No.	Part Number	Quantity Required											Description
		A	B	C	D	E	F	G	H	J	K		
1	5228830	1	-	-	-	-	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel - Replaced by 5229200	
1	5229200	1	-	-	-	-	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel	
1	5228895	-	1	-	-	-	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel - Replaced by 5229250	
1	5229250	-	1	-	-	-	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel	
1	5228800	-	-	1	-	-	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel - Replaced by 5229290	
1	5229290	-	-	1	-	-	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel	
1	5228750	-	-	-	1	-	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel - Replaced by 5229310	
1	5229285	-	-	-	1	-	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel - Replaced by 5229310	
1	5229310	-	-	-	1	-	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel	
1	5229000	-	-	-	-	1	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel - Replaced by 5229320	
1	5229320	-	-	-	-	1	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel	
1	5229500	-	-	-	-	-	1	-	-	-	-	INJECTOR ASSEMBLY .. Fuel	
1	5229510	-	-	-	-	-	-	1	-	-	-	INJECTOR ASSEMBLY .. Fuel	
1	5229710	-	-	-	-	-	-	-	1	-	-	INJECTOR ASSEMBLY .. Fuel	
1	5229335	-	-	-	-	-	-	-	-	1	-	INJECTOR ASSEMBLY .. Fuel	
1	5226210	-	-	-	-	-	-	-	-	-	1	INJECTOR ASSEMBLY .. Fuel	
2	5228798	1	-	1	-	-	-	1	-	-	-	BODY ASSEMBLY .. Injector - Replaces 5228761	
2	5228888	-	1	-	-	-	-	-	-	-	-	BODY ASSEMBLY .. Injector - Replaces 5228887	
2	5228754	-	-	-	1	-	-	-	-	-	-	BODY ASSEMBLY .. Injector - Replaces 5228755	
2	5229039	-	-	-	-	1	-	-	-	1	-	BODY ASSEMBLY .. Injector - Replaces 5229037	
2	5228797	-	-	-	-	-	1	-	-	-	-	BODY ASSEMBLY .. Injector - Replaces 5228759	
2	5229709	-	-	-	-	-	-	-	1	-	1	BODY ASSEMBLY .. Injector - Replaces 5229708	
*3	5226912	2	-	2	-	-	2	2	-	-	-	PLUG .. Body	
*3	5228462	-	2	-	2	2	-	-	2	2	2	PLUG .. Body	
4	5226482	1	1	1	1	1	1	1	1	1	1	DOWEL .. Injector locating	
5	5226727	1	1	1	1	1	1	1	1	1	1	PIN .. Rack guide	
6	5226484	1	1	1	1	1	1	1	1	1	1	STUD .. Fuel connection	
7	5228745	1	1	1	1	1	1	1	1	1	1	ADAPTOR .. Calibration slide	
8	5228758	1	1	1	1	1	1	1	1	1	1	SCREW .. Set 8-32 x .220 - Nylock	
9	9421614	1	1	1	1	1	1	1	1	1	1	SCREW .. Socket head cap 8-32 x 3/8	
10	5226571	1	1	1	1	1	1	1	1	1	1	SEAL .. Body to nut	

FUEL INJECTORS

Ref. No.	Part Number	Quantity Required										Description
		A	B	C	D	E	F	G	H	J	K	
		-	-	-	-	-	-	-	-	-	-	INJECTOR ASSEMBLY .. Fuel
11	5226496	1	-	1	1	-	1	1	-	-	-	RACK .. Injector
11	5228890	-	1	-	-	-	-	-	-	-	-	RACK .. Injector
11	5229045	-	-	-	-	1	-	-	1	1	1	RACK .. Injector
12	5227401	1	1	1	1	-	1	1	-	-	-	PIN .. Rack
12	5227688	-	-	-	-	1	-	-	1	1	1	PIN .. Rack
13	5228013	2	2	2	2	2	2	2	2	2	2	ELEMENT .. Filter - Stainless steel mesh
14	5226415	2	2	2	2	2	2	2	2	2	2	SPRING .. Filter
15	5226186	2	2	2	2	2	2	2	2	2	2	GASKET .. Cap
16	5226512	2	2	2	2	2	2	2	2	2	2	CAP .. Fuel filter
17	5228139	1	1	1	1	1	1	1	1	1	1	FOLLOWER .. Injector
18	5227914	1	1	1	1	1	1	1	1	1	1	PIN .. Stop
19	5227904	1	1	1	1	1	1	1	1	1	1	SPRING .. Stop pin
20	5228184	1	1	1	1	1	1	1	1	1	1	RETAINER .. Stop pin and spring
21	5226491	1	1	1	1	1	1	1	1	1	1	SPRING .. Plunger
22	5228545	1	1	1	1	1	1	1	1	1	1	NUT .. Injector
23	5229195	1	-	-	1	-	-	-	-	-	-	TIP ASM. .. 5 hole - Low-Sac - Includes needle valve
23	5229230	-	1	-	-	-	-	-	-	-	-	TIP ASM. .. 6 hole - Low-Sac - Includes needle valve
23	5229235	-	-	1	-	-	-	-	-	-	-	TIP ASM. .. 6 hole - Low-Sac - Includes needle valve
23	5229265	-	-	-	-	1	-	-	-	-	-	TIP ASM. .. 7 hole - Low-Sac - Includes needle valve
23	5229260	-	-	-	-	-	1	1	-	-	-	TIP ASM. .. 6 hole - Low-Sac - Includes needle valve
23	5229275	-	-	-	-	-	-	-	1	1	1	TIP ASM. .. 6 hole - Low-Sac - Includes needle valve
24	5228538	1	1	1	1	1	1	1	1	1	1	CAGE .. Needle valve spring
25	5228541	1	1	1	1	1	1	1	1	1	1	SEAT .. Valve spring
26	5228539	1	1	1	1	1	1	1	1	1	1	SPRING .. Valve
27	5228571	1	1	1	1	1	1	1	1	1	1	CAGE .. Check valve
28	5226950	1	1	1	1	1	1	1	1	1	1	VALVE .. Check
29	5228572	1	1	1	1	1	1	1	1	1	1	SPACER .. Check valve
30	5226574	1	1	1	1	1	1	1	1	1	1	DEFLECTOR .. Injector spill
31	5228236	1	-	1	-	-	-	1	-	-	-	PLUNGER ASSEMBLY .. Includes bushing
31	5228894	-	1	-	-	-	-	-	-	-	-	PLUNGER ASSEMBLY .. Includes bushing
31	5228574	-	-	-	1	-	-	-	-	-	-	PLUNGER ASSEMBLY .. Includes bushing
31	5229011	-	-	-	-	1	-	-	-	1	-	PLUNGER ASSEMBLY .. Includes bushing
31	5227853	-	-	-	-	-	1	-	-	-	-	PLUNGER ASSEMBLY .. Includes bushing
31	5229705	-	-	-	-	-	-	-	1	-	-	PLUNGER ASSEMBLY .. Includes bushing
31	5226464	-	-	-	-	-	-	-	-	-	1	PLUNGER ASSEMBLY .. Includes bushing
32	5228343	1	-	1	-	-	-	1	-	-	-	PIN .. Guide
32	5227923	-	1	-	-	1	-	-	1	1	1	PIN .. Guide
32	5226450	-	-	-	1	-	1	-	-	-	-	PIN .. Guide
33	5226499	1	-	1	1	-	1	1	-	-	-	RETAINER .. Gear
33	5228893	-	1	-	-	-	-	-	-	-	-	RETAINER .. Gear
33	5229052	-	-	-	-	1	-	-	1	1	1	RETAINER .. Gear
34	5226498	1	-	1	1	-	1	1	-	-	-	GEAR .. Rack
34	5228892	-	1	-	-	-	-	-	-	-	-	GEAR .. Rack
34	5228408	-	-	-	-	1	-	-	1	1	1	GEAR .. Rack
*35	5226714	2	2	2	2	2	2	2	2	2	2	CAP .. Protective - Used on Ref. 16 for storage
+*36	8032718	1	1	1	1	1	1	1	1	1	1	NUT .. Lock - Fuel line to injector - See Parts List No. 148

For Injector Repair Kits - See Pages 4 and 5.