

# FUEL INJECTION REBUILDERS COMPONENTS



YOUR FIRST CHOICE IN QUALITY PRODUCTS



## **About Us**



Walker Products began supplying the fuel system needs of the automotive industry in 1946. Today Walker is one of the largest privately owned manufacturers of fuel system components and engine management devices.

We serve major Original Equipment Manufacturers, Co-manufacturers, Rebuilders, and Retail customers in the fuel, engine management and exhaust markets worldwide.

Walker Products' offerings include Carburetor and Fuel Injection repair kits, Oxygen sensors, Exhaust Gas Temperature sensors and other engine management products such as Cam & Crank position sensors, Knock sensors, Throttle Position sensors, Mass Air Flow sensors, Manifold Absolute Pressure sensors, Engine Coolant Temperature sensors, Fuel Injectors, Fuel Pressure Regulators and much more.

We are committed to supplying products manufactured to meet or exceed OEM standards and specifications. This effort is backed by our own manufacturing, product management and engineering staff to ensure it is maintained and accurate in the production of quality parts, vehicle applications, instruction sheets and technical support.





YOUR FIRST CHOICE IN QUALITY PRODUCTS



# **Automotive Injection Service Solutions**

The efficient and cost-effective way to bench test and service every fuel injector.

### · Service & Repair

- Increased exhaust emissions
- Reduced engine performance (Power, Torque)
- Increased fuel consumption
- Poor driveability situations
- Direct injection systems failure (Leaks, Pressure drop)
- Rough idle and periodic stall of the engine
- Conditions that lead to long-term catalytic converter damage
- Extended engine start-up
- MIL check engine light-up.

### Adapters



Standard Kit
 Set of Fuel Rail & Adapters for all makes and types of Top-Feed Injectors.



Exclusive Kit
 Complete set of Fuel Rail & Adapters, special designed for simple adaptation to all makes and types of Top-Feed, throttle body and Side-Feed Injectors. (Set of injectors tested simultaneously)



TBI Kit
 Set of Fuel Rail &
 Adapters for all makes and types of throttle body and Side-Feed injectors. (One injector per test)

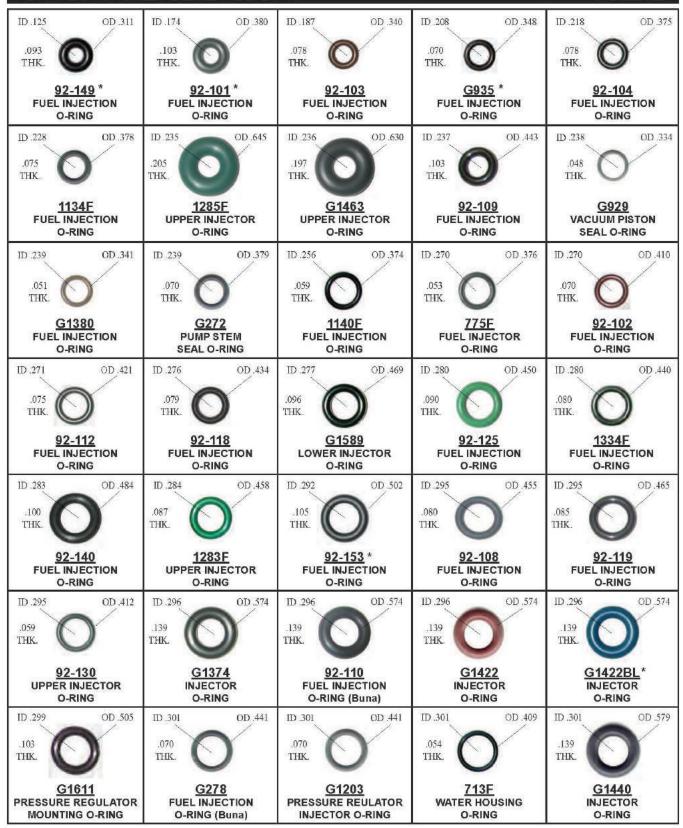
WALKER PRODUCTS INC. 525 West Congress Street, Pacific, MO 63069 Office: (636) 257-2400 Customer Service: (636) 257-1700 Fax: (636) 257-6211 www.walkerproducts.com



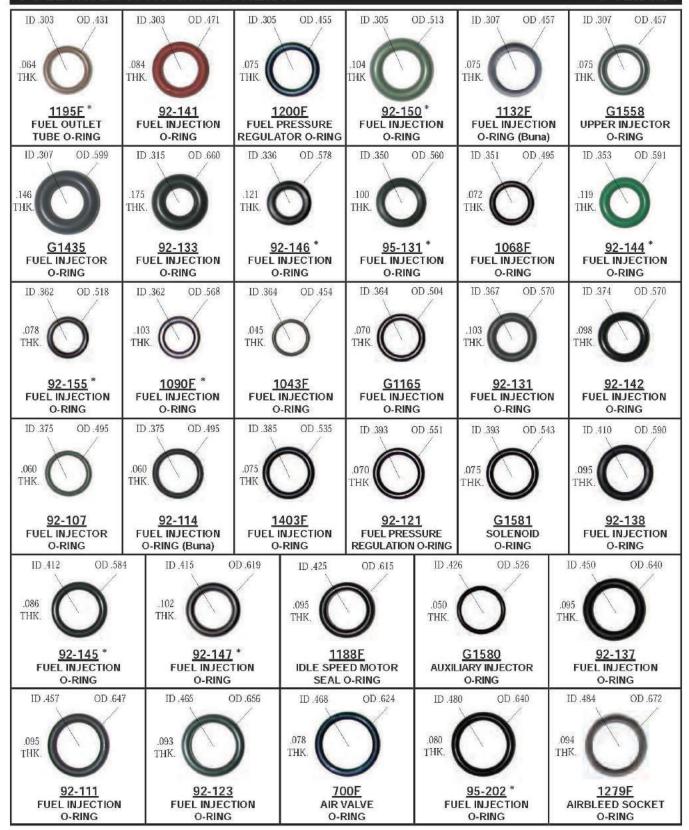
Technical Specifications	GD4i	GD1i	GS8	GS4	GS2
● standard ○ optional ⊗ N/A					
Testing and cleaning FSI , HPI, GDI	•	•	•	•	•
Testing and cleaning MPFI, SPFI, L-JETRONIC, TBI ,CFI / CSFI, CPFI	8	8	•/0	•/0	•/0
esting and cleaning MOTO / MARINE, LPG, ALTERNATIVE FUELS	8	8	•/0	•/0	•/0
Testing and cleaning K-JETRONIC	8	8	0	0	0
Operating pressure (Bar / 1Bar = 10 KPa)	3-300	3-300	0-10	0-10	0-10
Automatic adjustment of pressure to system tested	•	8	•	•	8
Saturated switch driver automatically selected	•	•	•	•	•
Peak & hold driver automatically selected	•	•	•	•	•
Piezo injector driver circuit (0-250 VDc / 0-35A)	•	•	8	8	8
High intensity led lighting for every spray chamber	•	•	•	•	•
Automatic functions and operations	•	•	•	•	8
Manual functions (semi-auto)	•	•	•	•	•
Jser-programmable test plans	•	•	•	•	8
Spray pattern & atomization view	•	•	•	•	•
Step-by-step instructions (LCD messages)	•	•	•	•	•
- uture upgradeable	•	•	•	•	8
Automatic draining of volumetric tubes	•	•	•	•	8
Acceleration/ deceleration mode simulation test	•	•	•	•	•
Rich/ lean mode simulation test	•	•	•	•	8
Jser-programmable multiple-injections capability (# of injections)	1-9	1-3	8	8	8
Manufacturer / user injector database (test plans)	0	0	8	8	8
Printer / usb output of results / report	•	8	8	8	8
Human machine interface (display)	LCD 8.4" \ TFT touch	LCD Graphic 240x128	LCD Graphic 64x128	LCD / 2x20 Letter	LCD / 2x16 Letter
Customer and injector filing	•	8	8	8	8
Electric coil condition and (ω) ohm testing	•	•	•	•	8
Electrical inductance test (μΗ)	•	•	8	8	8
Electrical capacitance test (μF)	•	•	8	8	8
Filtered fluid supply system	2µm	2μm	10μm	10μm	10µm
njector operating frequency	500-10000	500-10000	500-16.000	500-16.000	500-9900
njector pulse width (μs)	150-65000	150-65000	900-100000	900-100000	900-100000
njector pulses option	•	•	•	•	•
Dynamic and static tests for all injector types	•	•	•	•	•
/olumetric measurement in graduated glass tubes ml / tol. / Accuracy)	65 / 1 / 0.5	65 / 1 / 0.5	130/2/1	130/2/1	130/2/1
anguage localization	•	•	•	•	•
On-display guide (step-by-step instructions)	•	•	•	•	8
ndustrial PC operation software	Linux	8	•	8	8
Spill-free fluid quick connectors	•	•	•	•	•
Standard adapters kit (top feed injectors adapters)	•	•	•	•	•
bi adapters kit (throttle body and side feed injectors adapters kit)	8	8	0	0	0
exclusive adapters (all top & side feed injectors easy adapters kit)	8	8	0	0	0
Direct injector high pressure standard size adapters	•	•	8	8	8
Direct injector high pressure long and non-standard adapters	0	0	8	8	8
JB15e ultrasonic bath exclusive (automatic, sweep technology B1-42kHz, degas, heat control)	0	0	0	0	0
JB15s ultrasonic bath standard (42Khz, heat control)	O∕●(XI)	O∕●(XI)	•	•	•
nput power (volts) / power consumption (watt)	100-250 / 350	100-250 / 350	100-250 / 350	100-250 / 200	100-250 / 20
Operating frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Packaged dimensions WxDxH (cm) / weight (Kg)	80 x 120 x 95 165Kg	78 x 67 x 80 68Kg	76 x 56 x 69 59Kg	51 x 44 x 67 42Kg	60 x 44 x 55 37Kg
Consumable fluids (testing & cleaning)	0	0	•	•	
njector accessories kit (screen filters, caps, o-rings, etc)	0	0	•	•	0
Portable stand with cabinet	0	0	0	0	0

## Your First Choice In Quality Products











INJECTOR

O-RING

**AUTO IDLE SPEED** 

MOTOR O-RING (Buna)

#### FUEL INJECTION COMPONENTS O-RINGS OD .736 ID .487 OD .693 ID .488 OD .628 ID .489 OD .649 ID .537 OD .812 .125 103 .070 .080 .140 THK. THK THK THK. THK. G1371 92-143 92-126 LOWER INJECTOR **FUEL INJECTION FUEL INJECTION** LOWER INJECTOR **FUEL INJECTION** O-RING O-RING O-RING O-RING O-RING OD .744 ID .575 OD .763 OD .818 ID .551 OD .691 ID .556 ID .591 OD .749 ID .612 .094 .079 103 .070 .094 THK THK THK THK THK 707F G1255 G1592 \* 1445F 933F DAMPER WIRING CONNECTOR **FUEL INJECTOR** PRESSURE REGULATOR LOWER INJECTOR O-RING O-RING O-RING O-RING O-RING OD 1.024 OD .830 OD .836 ID .630 ID .650 ID .668 OD .826 ID .669 OD .905 ID .692 197 .090 .079 .118 072 THK. THK. THK. THK THK. G1446 1333F 693F 1088F \* G1579 INJECTOR FUEL INJECTION **FUEL INJECTION** FUEL INJECTION LOWER INJECTOR O-RING O-RING O-RING O-RING O-RING ID .705 OD .900 ID .709 OD 1.023 ID .720 OD .870 ID .732 OD 1.010 ID .734 OD 1.012 .100 .075 .139 .139 .157 THK. THK THK. THK. THK 1202F 92-113 92-122 G1448 G1455 **FUEL INJECTION** AUTO IDLE SPEED AIR FLOW **FUEL INJECTION** UPPER INJECTOR O-RING ADAPTER O-RING SENSOR O-RING O-RING O-RING OD .943 OD 1.042 ID .737 ID .744 OD .878 ID .744 OD .878 ID .766 ID .772 OD .960 .138 .094 .103 067 .067 THK THK. THK. THK. THK. 1194F \* G1505 G1451 1199F G1544

IDLE AIR CONTROL

VALVE O-RING

**FUEL INJECTION** 

O-RING

UPPER INJECTOR

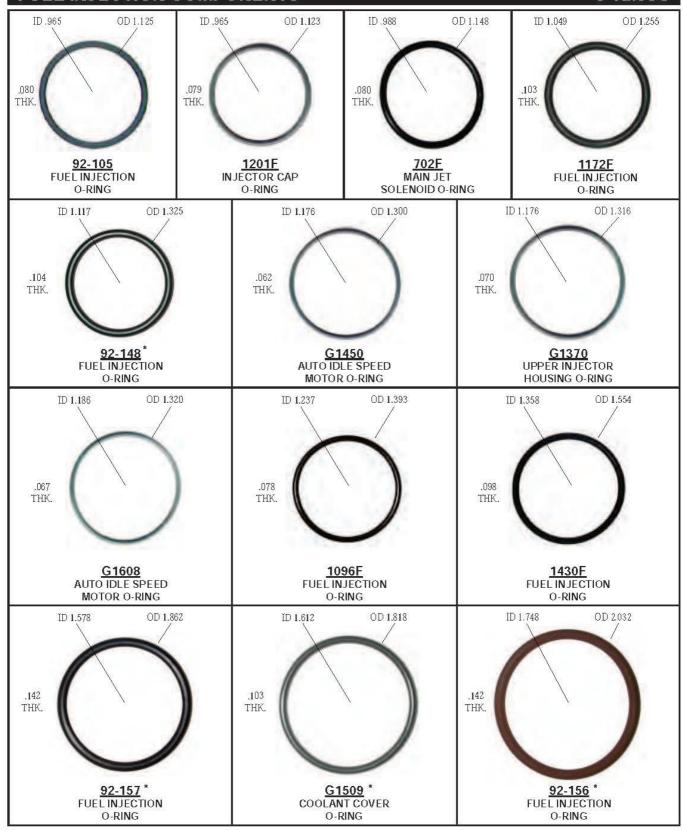


4

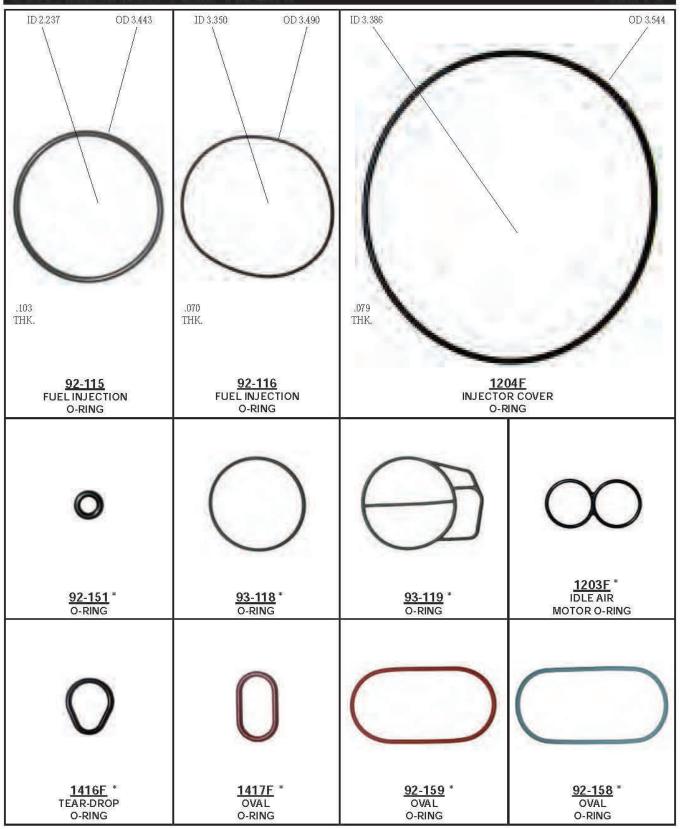
#### FUEL INJECTION COMPONENTS













#### **FILTERS**





#### **FILTERS**





#### **WASHERS AND SPACERS**





#### SEALS



1342F AIR BYPASS VALVE SEAL



G1256 FUEL PRESS. REG. SEAL



95-170 FUEL INJECTOR SEAL



93-108 FUEL INJECTION SEAL



G1506 FUEL DAMPENER GASKET SEAL



1414F INJECTOR SEAL



1196F FUEL FITTING SEAL



93-103 FUEL INJECTION SEAL



1335F INJECTOR SEAL



1336F INJECTOR SEAL



G1367 INJECTOR HOUSING DUST SEAL



G1904 REGULATOR DUST SEAL



G1546 REGULATOR DUST SEAL



G1559 LOWER INJECTOR SEAL



93-104 FUEL INJECTION SEAL



93-105 FUEL INJECTION SEAL



1448F PLASTIC INJECTOR SEAL (Flat End)



1446F PLASTIC INJECTOR SEAL (Angled)



G1570 INJECTOR SEAL



G1449 AUTO IDLE SPEED ADAPTER SEAL



1131F INJECTOR RING SEAL



1399F INJECTOR SEAL



G1467 INJECTOR RUBBER SEAL



G1465 INJECTOR RUBBER SEAL



1281F LOWER FUEL INJECTOR SEAL



1280F LOWER FUEL INJECTOR SEAL



1447F FUEL INJECTOR SEAL



1282F LOWER INJECTOR SEAL



1500F INJECTOR SEAL



93-106 FUEL INJECTION SEAL



1431F INJECTOR SEAL



G1466 INJECTOR RUBBER SEAL



G1447 INJECTOR RUBBER SEAL



G1464 INJECTOR RUBBER SEAL



G1582 UPPER INJECTOR SEAL



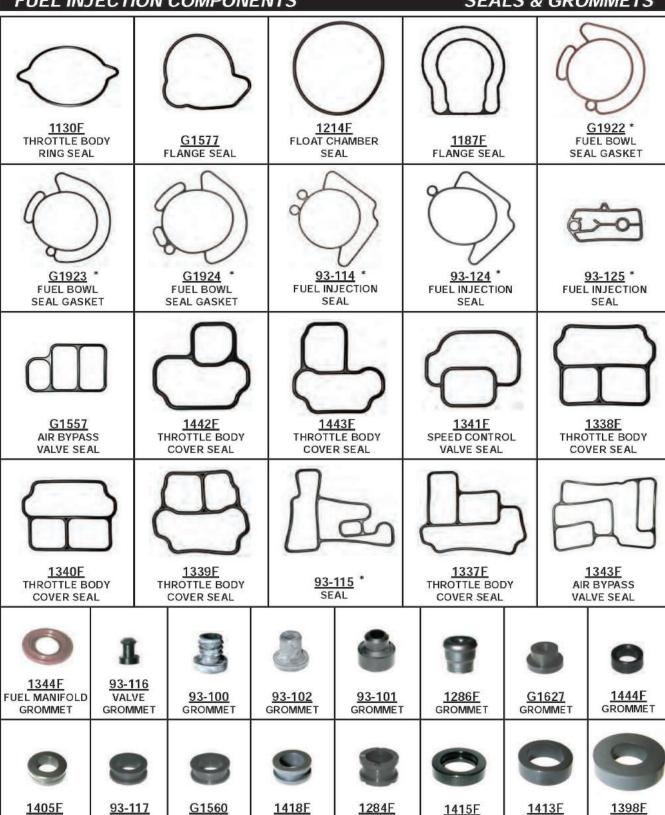
GROMMET

GROMMET

GROMMET

#### FUEL INJECTION COMPONENTS

#### **SEALS & GROMMETS**



GROMMET

GROMMET

GROMMET

GROMMET

GROMMET



#### DIAPHRAGM ASSEMBLIES



64-481 FUEL PRESSURE REGULATOR DIAPHRAGM ASSEMBLY Appl. TBI Weber



64-447

FUEL PRESSURE REGULATOR
DIAPHRAGM ASSEMBLY



64-482
FUEL PRESSURE REGULATOR
DIAPHRAGM ASSEMBLY



64-459 FUEL PRESSURE REGULATOR DIAPHRAGM ASSEMBLY



64-461 FUEL PRESSURE REGULATOR DIAPHRAGM ASSEMBLY



64-444 FUEL PRESSURE REGULATOR DIAPHRAGM ASSEMBLY



64-469 FUEL PRESSURE REGULATOR DIAPHRAGM ASSEMBLY



64-446 FUEL PRESSURE REGULATOR DIAPHRAGM ASSEMBLY



64-498
FUEL PRESSURE REGULATOR
DIAPHRAGM ASSEMBLY
Appl. TBI Rochester



64-491 FUEL PRESSURE REGULATOR DIAPHRAGM ASSEMBLY



64-480 FUEL PRESSURE REGULATOR DIAPHRAGM ASSEMBLY Appl. TBI Bosch



1545F \*
FUEL PRESSURE REGULATOR
DIAPHRAGM ASSEMBLY



1198F \*
FUEL PRESSURE REGULATOR
DIAPHRAGM ASSEMBLY



64-341 FUEL PRESSURE REGULATOR DIAPHRAGM ASSEMBLY

12



64-478 MPI DIAPHRAGM Appl. Weber, Peugeot



64-479 MPI DIAPHRAGM Appl. Weber, Peugeot



64-460 DIAPHRAGM ASSEMBLY



#### PINTLE CAPS

	LUTION				W		-		-		LL UAI U
Bosch								Bosch, Nipponder	iso		Bosch, D-Jetronic
	9	1	9		P						
<u>95-157</u> PINTLE CAP	95-208 * PINTLE CAP	<u>95</u> PINT	5- <b>161</b> TLE CAP	<u>95</u> PINT	<u>-207</u> * LE CAP	95-2 PINTLE	10 * CAP	85-353 PINTLE CA		95-147 PINTLE CAP	85-354 PINTLE CAP
					9	9				Toyota, Honda, Mazda	Honda
95-142 PINTLE CAP (2 Hole)	95-143 PINTLE CAP (2 Hole)	PINT	5-216 * ΓLE CAP 2 Hole)	PINT	-205 * LE CAP Hole)	95-14 PINTLE (2 Hol	CAP	95-149 PINTLE CA	AP	95-121 PINTLE CAP	<u>95-187</u> PINTLE CAP
					Chrysler ubishi	Bosch, Cl Mitsub					
				1	3	1	,	8	)		
95-217 * PINTLE CAP	95-204 * PINTLE CAP	95 PINT	95-146 PINTLE CAP		95-176 PINTLE CAP		95-106 PINTLE CAP		* AP	95-215 * PINTLE CAP	95-224 * PINTLE CAP
93	Bosch	Bosch	n, Chrysler	Boso	h, Ford	Bosch, Mazo	Ford, da			A)	Bosch, BMW
<u>95-173</u> PINTLE CAP	<u>95-167</u> PINTLE CAP	95 PINT	5-108 TLE CAP	95 PINT	-122 LE CAP	95-1- PINTLE	41 CAP	95-145 PINTLE CA	ÀP	95-151 PINTLE CAP	<u>85-366</u> PINTLE CAP
Bosch, BMW	Bosch		Bosch	1	Univ	ersal			_		Bosch, Ford,
	8		9	•	5	3		3			Weber
95-140 PINTLE CAP	95-104 PINTLE CA	er Historianistation		CAP PINTL		348 9 E CAP PIN		5-165 TLE CAP P		95-214 * NTLE CAP	95-101 PINTLE CAP
Bosch, VW	Bosch, For	d	Weber					_		•	
				b 6		3					9
95-109 PINTLE CAP	<u>95-110</u> PINTLE CA	95-109 P PINTLE C			95-2 PINTL	213 * 9 E CAP PIN		5-160 TLE CAP F		<u>95-190</u> NTLE CAP	95-186 PINTLE CAP
9		8				3 (		9			
<u>95-189</u> PINTLE CAP	95-185 PINTLE CA	Р	95-20 PINTLE C	9 * SAP	<u>95-</u> PINTL	<b>179</b> E CAP	9 PIN	<u>5-159</u> TLE CAP	PI	95-162 NTLE CAP	95-163 PINTLE CAP



#### CAPS AND GASKETS

TULLINDLU			CAFS AND GASKETS							
ID 5/32"X11/16" Long	ID 5/16"X1/2" Long		ID 3/8"X 1/2" Long		ID 7/16"X1/2" Long		ID 17/32"X1" Long		ID 9/16"X1/2" Long	
G652 * RUBBER VACUUM TUBE CAP	95-130 VINYL CAP		95-136 VINYL CAP		95-135 VINYL CAP		95-138 VINYL CAP		95-137 VINYL CAP	
ID 9/16"X1" Long									1	
		1								
95-127 VINYL CAP	<u>85-341</u> FUEL PRES RELIEF VALVE		ss. <u>95-</u>		126 AP 9/16 EN		95-124 ND CAP 3/8		95-125 END CAP 12 MM	
8		G1586 *			11045			G1257 *		
		JLATOR L	.OWER	1184F * INJECTOR CAP GASKET			FUEL CHARGING BODY GASKET			
G1359 * FUEL INJECTO HOUSING GASH	OR		G1369 CTOR HO OVER GAS	DUSING	THRO	G1381 'OTTLE BO	DY	FI	G1456 * JEL CHARGING BODY GASKET	



#### MISCELLANEOUS





95-226 \* REGULATOR RETAINER



95-229 \* INJECTOR RETAINER



95-225 \* INJECTOR RETAINER



95-227 \* INJECTOR RETAINER



95-228 \* INJECTOR RETAINER



#### **MISCELLANEOUS**



83-4 \* LEAD BALL PLUG 1/4



95-100 \* TUBE FUEL PRESS. REG. OUTLET



80-221 \* 10-24X3/8" FILL SELFTAP



80-215 \* SCREW M5X8 SL.



80-208 \*
FUEL PRESSURE
REG. MOUNTING
SCREW



80-220 \* SLOT HEAD SCREW M3.5X6 X 40MM



95-134 \* SPRING CLIP (For 95-133 Harness)



95-153 TERMINAL SPADE (For 95-133 Harness)



95-120 \* TERMINAL SPADE



95-117 \* TERMINAL SPADE



95-119 \* TERMINAL SPADE



95-192 LATE VORTEC FUEL INLET (Small)



95-193 LATE VORTEC FUEL INLET (Large)



93-109 \* FUEL INJ. HARNESS BOOT



93-107 \* FUEL INJ. HARNESS BOOT



95-132 \* 2 WIRE CONNECTOR



95-116 \* FUEL INJECTOR CONNECTOR



95-177 GM TBI WIRE ASSEMBLY



95-178 UNIVERSAL WIRE ASSEMBLY



95-133 \* L-JETRONIC CONNECTOR



95-152 \* CONNECTOR (For 95-133)



95-115 \*
FUEL INJECTOR
CONNECTOR (2 Pin)



95-128 \*
FUEL INJECTOR
CONNECTOR (3 Pin)



95-129 \*
FUEL INJECTOR
CONNECTOR (5 Pin)



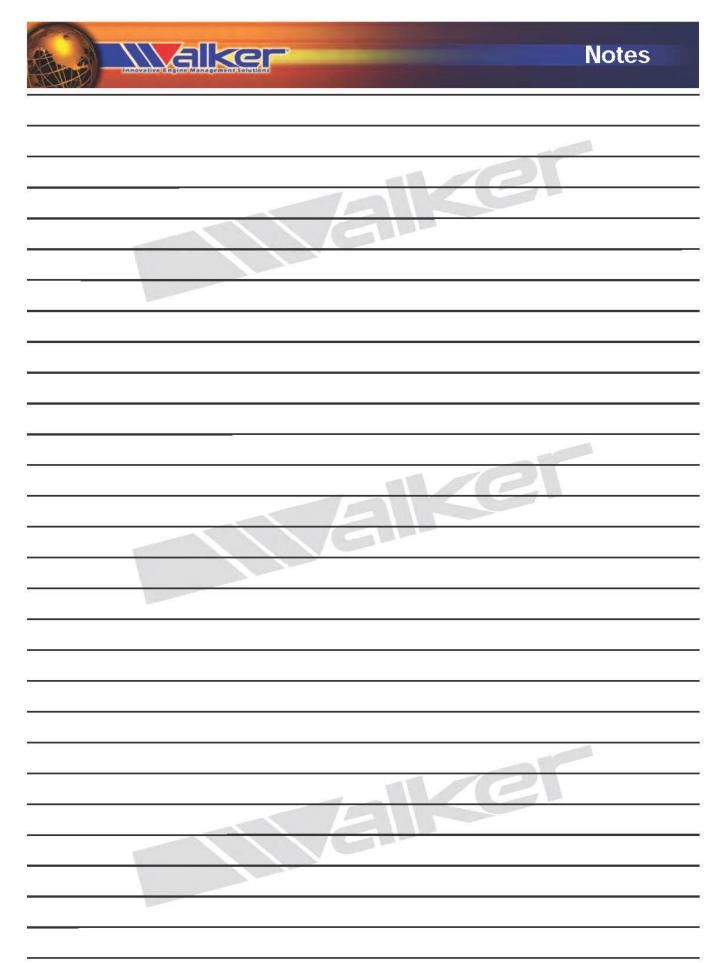
95-195 VORTEC SPIDER CLIP



95-196 VORTEC SPIDER CLIP



95-201\*
SPIDER TUBE & CONN. ASSY.







# **Comprehensive Engine Management Solutions**

- Carburetion Repair Kits and Accessories
- Fuel Injection Repair Kits and Accessories
- Oxygen Sensors, Bungs and O2 Tools
- Ignition Wire Sets
- Coil-On-Plug Boots
- Ignition Coils
- Coil-On-Plug
- Exhaust Gas Temperature Sensors
- Engine Management Components:
   ACT Sensors, ECT Sensors, Cam and Crankshaft Position
   Sensors, EGR Valve Position Sensors, EGR Valve Pressure
   Sensors, MAP Sensors, MAF Sensors, Throttle Position
   Sensors, EGR Valves, IAC Motors, TABPV, Fuel Pressure
   Regulators, TBI and Port Fuel Injectors, Fuel Seal Repair
   Kits and High Temperature Sensors.







YOUR FIRST CHOICE IN QUALITY PRODUCTS



# FUEL INJECTION REBUILDERS COMPONENTS

# Contact us today for the latest information on our global range of products.

#### **WALKER PRODUCTS**

525 WEST CONGRESS STREET • PACIFIC, MISSOURI 63069

U.S. Corporate Office: 636-257-2400 • Fax: 636-257-6211

Customer Service: 636-257-1700 • Technical Support: 844-252-0114

U.K. Sales Office and Distribution Center: +44-121-459-8006

saleseurope@walkerproducts.com

Oficinas para Mexico: +52-72-2402-2167

Soporte tecnico y servicio al cliente en Mexico: +52-72-2207-8957

www.walkerproducts.com