

Engine Block, lower end

Main Bearings all but 4.2	RTC1718	Std., .010, .020
4.2 mains	STC3724	
Rod Bearings	RTC2117	Std., .010, .020
Pistons 3.5	RTC2186	Std., .020 sold in eaches, with rings & pins
Pistons 3.9	STC909	Std.
	STC647	.020
Pistons 4.2	STC1191	Std. (no oversize pistons for 4.2: cannot be bored)
Rings 3.5	RTC2408	Std., .020, .040 Sold in per piston set s
Rings 3.9, 4.2	RTC6066	Std., .020 (3.9 only)
Front Cover Assembly	ETC7385	through '94
Oil Seal - Crank	ERR2640	(611409)
Crank Timing Chain Gear	ERR2958	
Oil Pump Gear and Shaft	ERC1351	'87 - '94
Oil Pump Gear	614037	'87 - '94
Oil Pump	ETC4276	'87 - '94
Oil Pump Gasket	ERR1990	'87 - '94
Engine Mounts	STC434	through '92; 2 required, sold each
	KKB103120	'93-'95 uses nyloc nuts FX112041L



"31D" is a 3.5
"38D" is a 3.9
"40D" is a 4.2
Engine number and compression ratios are stamped on the block between cylinders 3 & 5, left bank, center.

Seal Retainer Packing	LUN00010
Pilot Bushing	549911

'95 timing cover uses a non-servicable oil pump integral with the front timing cover: ETC7385

Cylinder Head

Intake Valve 3.5, 3.9	STC1121	through '92
Intake Valve 3.9, 4.2	LGH000030	'93-on
Intake Stem Seal	UKC7012L	through '92
	ERR1782	'93-on
Exhaust Valve 3.5	STC1122	through '92
Exhaust Valve 3.9	ETC8684	'93-on
Exhaust Valve 3.9, 4.2	LGH000040	same, intake and exhaust
Valve Guide	LGJ100900	same intake and exhaust; 16 used
Valve Spring	ERR4628	8 required
Rocker Arm Right	602153	8 required
Rocker Arm Left	602154	2 required
Rocker Shaft	611659L	16 required; same intake and exhaust
Push Rod	603378	



ERC248
'Flame trap'

note pad offset



602153

602154

Camshaft

Camshaft 3.5	ETC6099	3.5 engine may use 3.9 cam
Camshaft 3.9	ERR5924	
Camshaft 4.2	ERR5925	
Thrust Plate, 3.9 & 4.2	ERR5926	Retaining bolt SH505061L
Camshaft Bearing Set	RTC5918	
Lifter (tappet)	ERC4949	16 required
Timing Chain	ERC7929	
Timing Chain Gear	610289	

Top End Caps, Senders, Sensors

Flame Trap/Ventilator	ERC248	EFI hoses in 'Cooling', pg. 8
Oil Fill Cap	625038	uses O ring 564258
Thermal Transmitter 3.5	PRC6317	uses crush washer 90568054, not supplied with sender
3.9	PRC7918	through '94
	AMR1425	'95-on
Coolant Sensor	ETC8496	
Fan Temperature Switch	PRC3505	
Oil Pressure Switch	STC4104G	

Vacuum Tee and Hoses

Often the cause of poor running or stalling. The metered orifice can be occluded with carbon, or the plastic becomes brittle and breaks when replacing the hoses.

ERR4765	TEE PIECE
ERR4762	PCV HOSE
ERR4763	PLENUM HOSE
ERR4764	MANIFOLD HOSE



STC4104G



PRC6317



ETC8496



PRC3505

Senders usually have the part number stamped on the 'flats'