Repair Parts MANUAL

1.0 Liter (MA10) 1.2 Liter (MA12) GAS/GASOLINE ENGINE



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Printed in U.S.A.

Issued- 03/06/95

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QUICKREFERENCE PARTS GUIDE

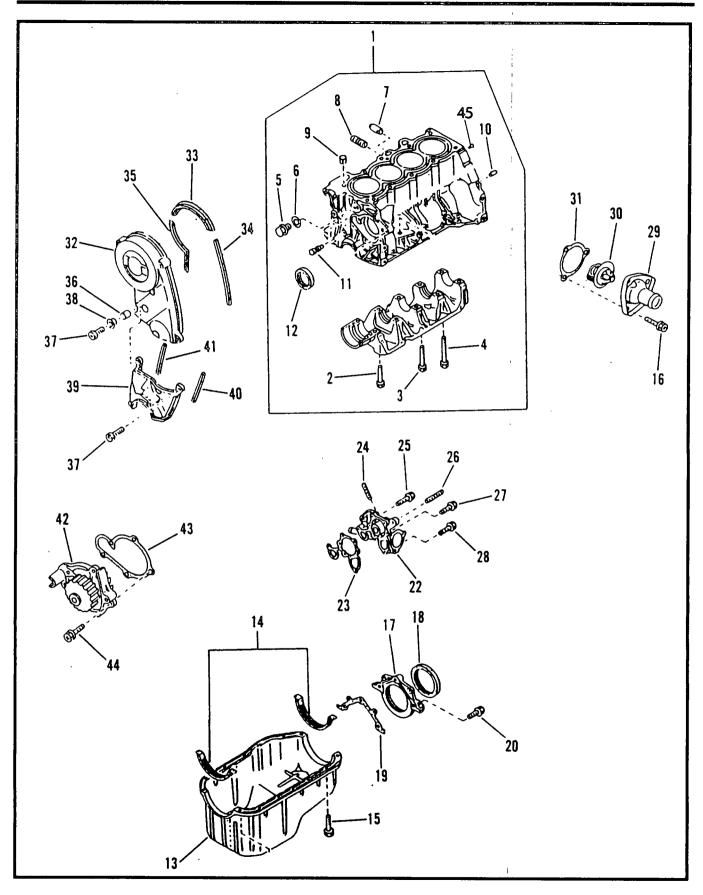
Tune-Up Parts

DESCRIPTION	PART NO.	QTY
Air Cleaner (Gasoline Carburetor)	71838	1
Air Cleaner	73912	1
Oll Fliter	75755	1
V-Belt	79173	1
Spark Plugs (1.0 Liter) Spark Plugs (1.2 Liter)	998-69828 147-70965	4
Fuel Filter	74016	1
Thermostat	503-69828	1
Distributor Cap	315-69828	1,
Distributor Rotor	314-69828	1
Distributor Points	320-69828	1
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Engine Parts

DESCRIPTION	PART NO.	QTY
Rear Main Seal (1.0 Liter) Rear Main Seal (1.2 Liter)	130-69828 106-70965	1 1
Main Bearing Upper (STD)	21 9-698 28	5
Bushing Lower (STD)	220-69828	5
Connecting Rod Bearing (STD)	213-69828	8
Camshaft Oil Seal (Front)	116-69828	1
Crankshaft Seal (Front)	116-69828	1
Piston w/Pin (STD)-(MA10) Piston w/Pin (STD)-(MA12)	210-69828 117-70965	4
Plston Rings (STD)-(MA10) Piston Rings (STD)-(MA12)	123-70965 333-69828	4 4
Rocker Cover Gasket	171-70965	1
Timing Belt (MA10) Timing Belt (MA12)	135-70965 187-69828	1 1

CYLINDER BLOCK & OIL PAN

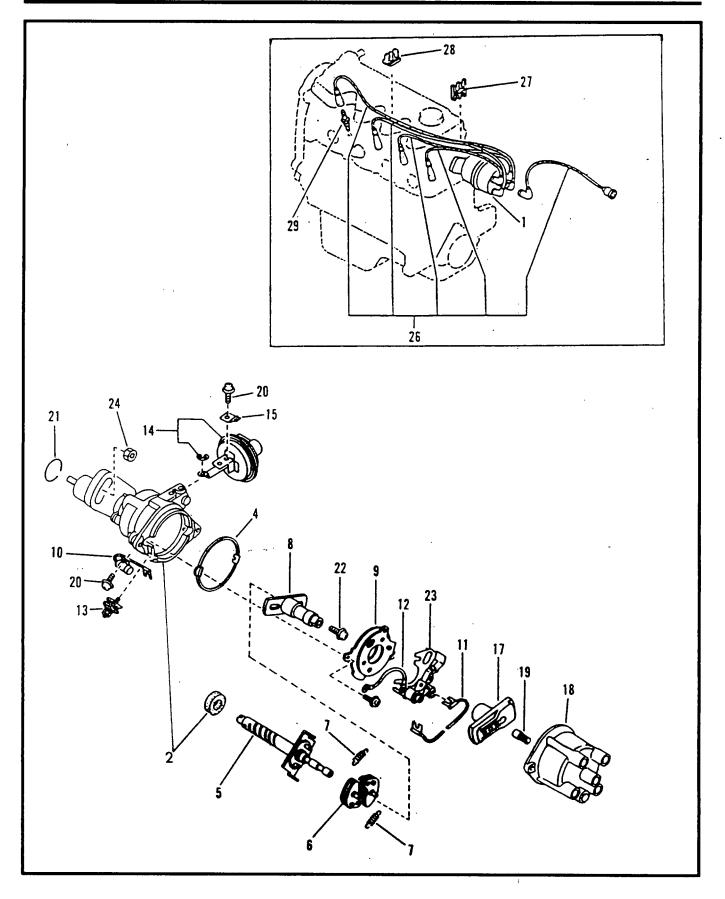


CYLINDER BLOCK & OIL PAN

ITEM	PART NO.	QTY	DESCRIPTION
1	100-70965	1	Cylinder Block (MA12)
-	100-69828	1	Cylinder Block (MA10)
2	101-69828	1	Bolt, Main Bearing Cap
3	102-69828	1	Bolt, Main Bearing Cap
4	103-69828	8	Bolt, Main Bearing Cap
5	104-69828	2	Plug, Oil Gallery
6	105-69828	2	Gasket, Oll Gallery Plug
7	106-69828	1	Valve, Oil Pressure Regulator
8	101-70965	1	Stud, Oil Filter (MA12)
_	107-69828	1	Stud, Oil Filter (MA10)
9	111-69828	2	Welch Plug
10	112-69828	2	Dowel Pin (MA10)
	112-70965	2	Dowel Pin (MA12)
11	113-69828	1	Weich Plug
12	116-69828	1	Oil Seal, Crankshaft (Front)
13 14	117-69828	1	Oil Pan Gasket Set, Oll Pan
14	120-69828 123-69828	14	Gasket Set, Oli Pan Bolt
15	504-69828	3	Screw, Water Pump
17	129-69828		Retainer, Oil Seal (Rear)-(MA10)
	105-70965	1	Retainer, Oil Seal (Rear)-(MA12)
18	106-70965	1	Oil Seal, Crankshaft (Rear)-(MA12)
	130-69828	1	Oil Seal, Crankshaft (Rear)-(MA10)
19	107-70965	1	Gasket, Retainer (MA12)
	131-69828	1	Gasket, Retainer (MA10)
20	132-69828	3	Screw
22	133-69828	1	Thermostat Housing
23	140-69828	1	Gasket, Thermostat Housing
24	134-69828	2	Stud
25	126-69828	1	Bolt
26	135-69828	1	Stud
27	124-69828	3	Bolt
28	125-69828	1	Bolt
29	505-69828	1	Water Outlet
30	503-69828	1	Thermostat
31	506-69828	1	Gasket, Water Outlet
32	148-70965	1	Dust Cover (Upper)
33 34	149-70965		Gasket, Cover
34 35	150-70965 150-70965	1	Gasket, Cover
35 36	142-70965	1 5	Gasket, Cover Collar, Front Cover (MA12)
50	150-69828	5	Collar, Front Cover (MA12) Collar, Front Cover (MA10)
37	145-69828		Bolt
38	143-70965	6	Grommet, Front Cover (MA12)
	245-69828	6	Grommet, Front Cover (MA10)
39	139-70965	Ĩ	Cover (Front)- (MA12)
	141-69828	1	Cover (Front)- (MA10)
40	150-69828	1	Gasket, Dust Cover (Lower)
41	144-69828	1	Gasket, Front Cover
42	146-70965	1	Water Pump Assembly (MA12)
	326-69828	1	Water Pump Assembly (MA10)
43	501-69828	1	Gasket
44	502-69828	5	Screw, Water Pump
45	102-70965	1	Welch Plug
	70965	1	Engine Assembly (MA12)
	69828	1	Engine Assembly (MA10)

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DISTRIBUTOR



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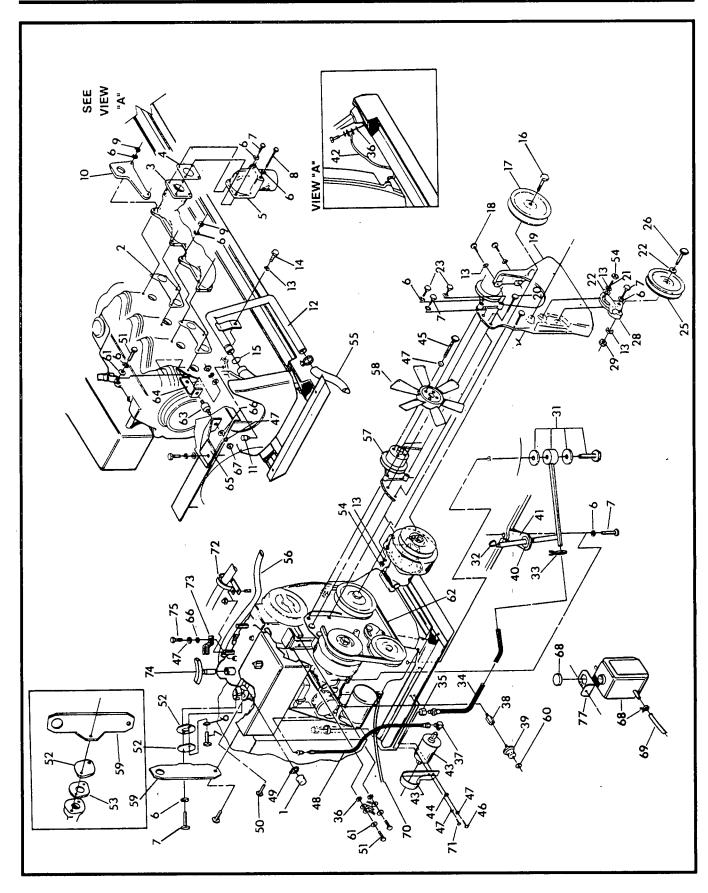
DISTRIBUTOR

ITEM	PART NO.	QTY	DESCRIPTION			
1	298-69828	1	Distributor Assembly			
2	299-69828	1	Distributor Housing			
4	301-69828	1	Clamp, Kit			
5	302-69828	1	Shaft			
6	303-69828	2	Weight			
7	304-69828	2	Spring			
8	305-69828	1	Cam Set			
9	306-69828	1	Plate			
10	307-69828	1	Condensor			
11	308-69828	1	Lead Wire			
12	309-69828	1	Ground Wire			
13	310-69828	1	Terminal			
14	311-69828	1	Vacuum Control			
15	312-69828	1	Ground Terminal			
17	314-69828	1	Rotor			
18	315-69828	1	Сар			
19	316-69828	1	Point			
20	317-69828	1	Screw Kit			
21	318-69828	1	O-Ring			
22	319-69828	3	Screw			
23	320-69828	1	Contact Set			
24	321-69828	1	Nut			
26	355-69828	1	High Tension Cable Set			
27	361-69828	1.	Clamp			
28	362-69828	1	Clamp			
29	296-69828	4	Spark Plug			

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ENGINE COMMON PARTS

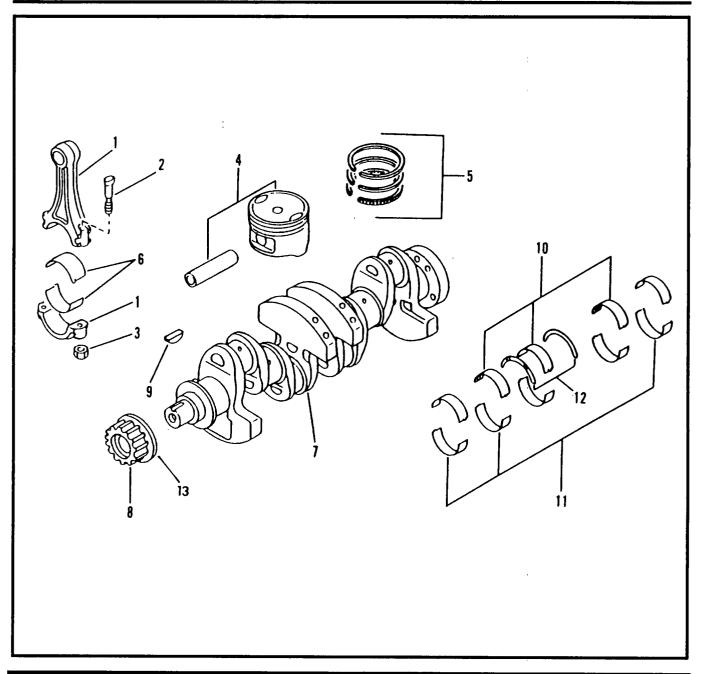


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ENGINE COMMON PARTS

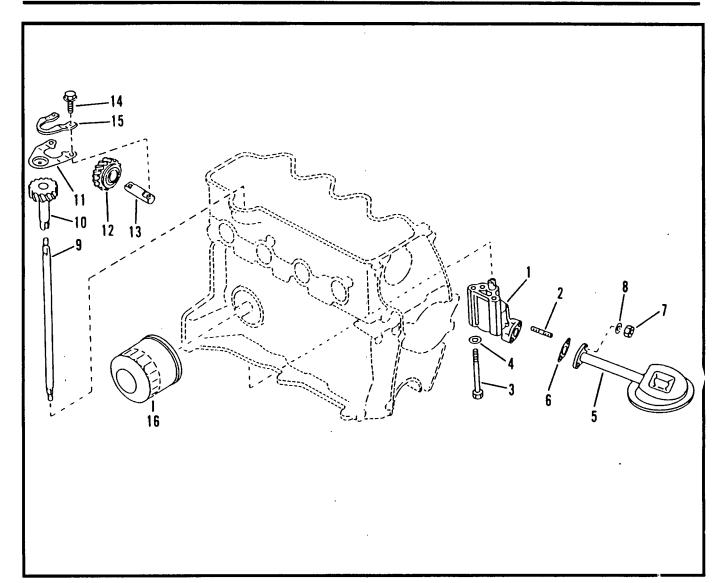
ITEM	PART NO.	QTY	DESCRIPTION		ITEM	PART NO.	QTY	DESCRIPTION
1	69943	2	Rubber Cap- 5/8" ID		37	70925	1	90° Elbow
	70968	1	Exhaust Manifold Gasket	,	38	42574	1	Adapter- 1/8" NPTF x 1/8"
2 3	75533	i i	Exhaust Manifold		39	60108	1	Oil Pressure Switch
Ă	75674	i i	Gasket- Exhaust Manifold		40	75770	1	Grommet- 3/8" ID
7		•	to Exhaust Elbow		41	74838	1	Dipstick Tube Bracket
5	62798	1	Exhaust Elbow		42	75778	1	Ground Wire - No. 10
5 6	72545	19	Lockwasher- M8		43	74024	1	Fuel Pump
7	72586	7	Hex Head Screw		44	74043	1	Ext. Lockwasher- M6
			M8-1.25 x 25mm		45	75213	4	Hex Head Screw
8	72541	2	Hex Head Screw					M6-1.00 x 16mm
-		-	M8-1,25 x 90mm		46	70001	2	Hex Head Screw
9	72540	6	Hex Nut- M8-1.25			1		M6-1.00 x 20mm
10	72524	1	Lifting Lug		47	70005	6	Lockwasher- M6
11	75732	1	Plug		48	69861	1	Fuel Line
12	74854	1	Suction Tube Assembly		49	69855	1	Clamp
13	74008	7	Lockwasher- M10		50	69877	1	Hex Head Screw
14	74003	1	Hex Head Screw					M12-1.25 x 15mm
		•	M10-1.50 x 15mm		51	74045	4	Hex Head Screw
15	70989	1	O-Ring					M8-1.25 x 16mm
16	71845	1	Engine Crankshaft Pulley		52	59511	1	Cover
17	71845	1	Engine Crankshaft Pulley		53	74053	1	Gasket
18	74004	2	Hex Head Screw		54	74009	3	Hex Nut- M10-1.50
			M10-1.50 x 30mm		55	74097	1	Lower Radiator Hose
19	75544	1	Engine Mount		56	72598	1	Upper Radiator Hose
20	74005	2	Hex Head Screw		57	76048	1	Fan Pulley Assembly
	1		M10-1.50 x 55mm		58	75614	1	Fan
21	74047	1	Stud- M10-1.50 x 75mm	1	59	78862	1	Rear Lifting Lug
22	74007	1	Flatwasher- M10		60	22207	1	Brass Nut- No. 8-32
23	72554	2	Hex Head Screw		61	74013	2	Flatwasher- M8
	1		M8-1.25 x 40mm		62	43776	1	Fan Belt
25	43604	1	Idler Pulley		63	27831	1	Vibration Dampener
26	31578	1	Hex Head Screw		64	74859	1	Bracket- Eng. to Vib. Damp.
			3/8"-16 x 1-1/2"		65	74860	1	Bracket- Vib. Damp. to Rad.
28	74836-A	1	Idler Pulley Bracket		66	70007	2	Flatwasher-M6
29	22241	1	Hex Nut- 3/8"-16	1	67	74034	2	Nut- 1/4"-20
31	74898	1	Dipstick Tube		68	61690	1	Coolant Recovery Bottle
32	75735	1	Dipstick	1	69	29032	1	Hose- 4 feet
33	70928	1	Clamp		70	74060-A	1	Starter Cable
34	69860-A	1	Oil Drain Tube	1	71	71944	1	Hex Head Screw- M6 x 25
35	69811	1	Cap- 1/4" NPT		72	55934-U	1	Clamp
36	74044	3	Ext. Lockwasher- M8	1	1			
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PISTONS AND CRANKSHAFT



ITEM	PART NO.	ατγ	DESCRIPTION	ITEM	PART NO.	QTY	DESCRIPTION
1	115-70965	4	Connecting Rod (MA12)	6	213-69828	8	Connecting Rod Bearing
	207-69828	4	Connecting Rod (MA10)	7	125-70965	1	Crankshaft (MA12)
2	116-70965	8	Bolt (MA12)		214-69828	1	Crankshaft (MA10)
	208-69828	8	Bolt (MA10)	8	126-70965	1	Sprocket (MA12)
3	209-69828	8	Nut		215-69828	1	Sprocket (MA10)
4	117-70965	4	Piston w/Pin (STD)-(MA12)	. 9	216-69828	1	Crankshaft Key (MA12)
	210-69828	4	Piston w/Pin (STD-(MA12)	-	216-69828	1	Crankshaft Key (MA10)
	118-70965	4	Piston w/Pin (0.02mm OS)-(MA12)	10	219-69828	5	Upper Bearing (STD)
	211-69828	4	Piston w/Pin (0.02 mm os)-(MA10)		223-69828	5	Upper Bearing (0.25mm US)
5	123-70965	4	Piston Ring (STD)-(MA12)	11	220-69828	5	Lower Bushing (STD)
	333-69828	4	Piston Ring (STD)-(MA10)		224-69828	5	Lower Bushing (0.25mm US)
	124-70965	4	Piston Ring (0.02mm OS)	12	129-70965	2	Upper Thrust Washer
				13	127-70965	1	Sprocket Plate

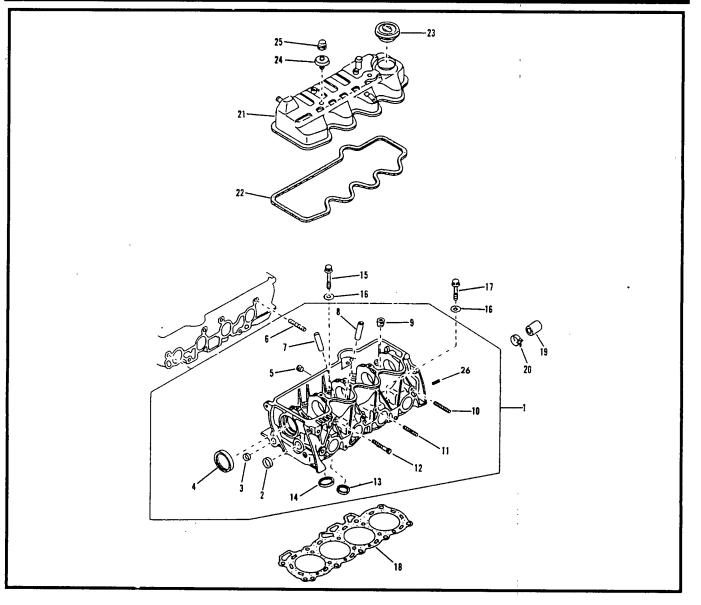
OIL PUMP



ITEM	PART NO.	QTY	DESCRIPTION	
1	229-69828	1	Oil Pump Assembly	
2	230-69828	2	Štud	
3	231-69828	2	Bolt	
4	232-69828	2	Washer	
5	233-69828	1	Oil Strainer	
6	234-69828	1	Oil Strainer Gasket	
7	235-69828	2	Nut	
8	128-69828	2	Lockwasher	
9	144-70965	1	Pump Drive Spindle (MA12)	
	236-69828	1	Pump Drive Spindle (MA10)	
10	237-69828	1	Drive Gear	
11.	238-69828	1	Oil Regulator Spring	
12	239-69828	1	Idler Gear	
13	240-69828	1	Idler Gear Shaft	
14	241-69828	2	Bolt	
15	145-70965	1	Spindle Support	
16	75755	1	Oil Filter	

CYLINDER HEAD & ROCKER COVER

ITEM	PART NO.	QTY	DESCRIPTION	ITEM	PART NO.	ατγ	DESCRIPTION
1	109-70965	1	Cylinder Head Assy. (MA12)	17	166-69828	5	Cylinder Head Bolt (Short)
	151-69828	1	Cylinder Head Assy. (MA10)	18	113-70965	1	Cylinder Head Gasket (MA12)
2	152-69828	1	Plug		168-69828	1	Cylinder Head Gasket (MA10)
3	153-69828	11	Plug	19	169-69828	2	Connector Cap
4	116-69828	1	Oil Seal	20	170-69828	2	Hose Clamp
4 5	155-69828	1	Plug	21	171-69828	1	Rocker Valve Cover
6	156-69828	6	Stud	22	114-70965	1	Rocker Cover Gasket
7	111-70965	Ā	Exhaust Valve Guide (MA12)	23	175-69828	1	Oil Filler Cap
•	162-69828	À	Exhaust Valve Guide (MA10)	24	172-69828	2	Rocker Cover Cap
8	110-70965		Intake Valve Guide (MA12)	25	174-69828	2	Nut
•	163-69828		Intake Valve Guide (MA10)	26	112-70965	4	Dowel Pin
9	154-69828	5	Plug	20	112-70903	•	DowerPin
10	159-69828		Stud				
11	157-69828		Stud				
12 ·	13/-03020			·			
12	464 00000		Screw - M8-1.25 x 20mm	1			
13	161-69828		Exhaust Valve Seat				
14 15	160-69828	8 5	Intake Valve Seat	1			
15	164-69828		Cylinder Head Bolt (Long)				
16	167-69828	10	Washer				



CAMSHAFT & VALVE MECHANISM

ITEM	PART NO.	QTY	DESCRIPTION	ITE	м	PART NO.	QTY	DESCRIPTION
ITEM 1 2 3 4 5 6 7 8 9 10 11 12	PART NO. 130-70965 176-69828 177-69828 178-69828 131-70965 180-69828 181-69828 182-69828 132-70965 133-70965 185-69828 134-70965	QTV 111121223111111	DESCRIPTION Camshaft Assy. (MA12) Camshaft Assy. (MA10) Camshaft Plug Vamshaft Key Dowel Pin Betalner Camshaft Sprocket (MA12) Camshaft Sprocket (MA12) Camshaft Sprocket Bolt Tab Washer Belt Tensioner Tensioner Spring Lockwasher Nut	ITE 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		PART NO. 135-70965 187-69828 137-70965 188-69828 138-70965 189-69828 190-59828 191-69828 192-69828 193-69828 195-69828 195-69828 199-69828 201-69828 201-69828 203-69828	1 1 4 4 4 4 8 8 8 16 8 1 2 22 1 23	DESCRIPTION Timing Belt (MA12) Timing Belt (MA10) Intake Valve (MA10) Intake Valve (MA12) Intake Valve (MA10) Exhaust Valve (MA10) Outer Valve Spring Valve Spring Seat (Outer) Valve Spring retainer Valve Spring Key Valve Spring Key Valve Oil Seal Rocker Shaft Plug Rocker Spring Rocker Retainer Rocker Retainer Rocker Shaft Stud Rocker Shaft Stud Rocker Shaft Bracket Washer Bolt
				30 31 32		204-69828 205-69828 206-69828	8 8 8	Valve Rocker Rocker Shaft Stud Rocker Stud Nut

