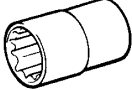

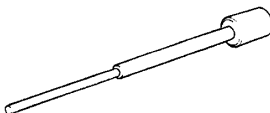
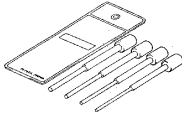
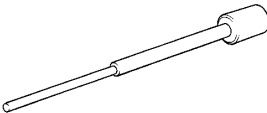
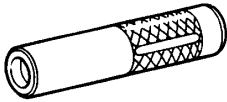
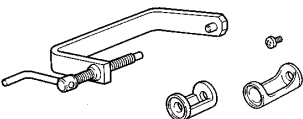
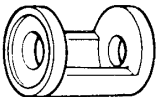
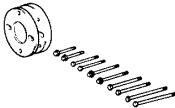


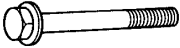

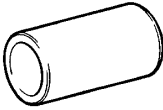

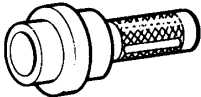
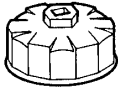
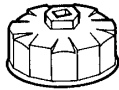
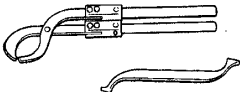
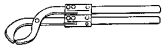


ENGINE MECHANICAL

PREPARATION

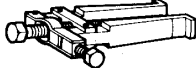

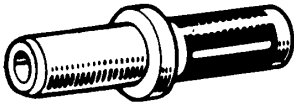


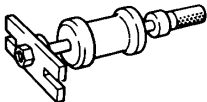
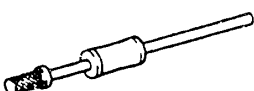
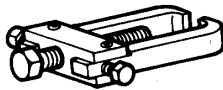


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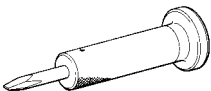
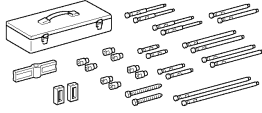
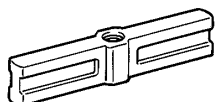
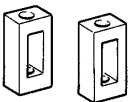
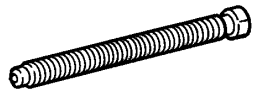
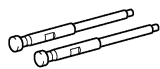
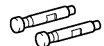
023HH-01

	09011-38121	12 mm Socket Wrench for 12 Pointed Head	CYLINDER BLOCK ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) CYLINDER BLOCK ASSY(3MZ-FE)
	09032-00100	Oil Pan Seal Cutter	PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE)
	09201-01055	Valve Guide Bushing Remover & Replacer 5.5	CYLINDER HEAD ASSY(3MZ-FE)
	09201-10000	Valve Guide Bushing Remover & Replacer Set	CYLINDER HEAD ASSY(2AZ-FE) CYLINDER HEAD ASSY(3MZ-FE)
	(09201-01050)	Valve Guide Bushing Remover & Replacer 5	CYLINDER HEAD ASSY(2AZ-FE)
	09201-41020	Valve Stem Oil Seal Replacer	CYLINDER HEAD ASSY(2AZ-FE) CYLINDER HEAD ASSY(3MZ-FE)
	09202-70020	Valve Spring Compressor	CYLINDER HEAD ASSY(2AZ-FE) CYLINDER HEAD ASSY(3MZ-FE)
	(09202-00010)	Attachment	CYLINDER HEAD ASSY(2AZ-FE) CYLINDER HEAD ASSY(3MZ-FE)
	09213-54015	Crankshaft Pulley Holding Tool	PARTIAL ENGINE ASSY(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE) CHAIN(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)

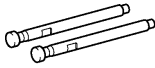
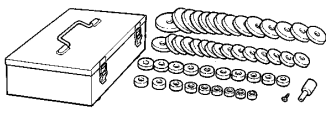


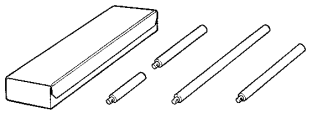

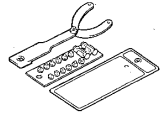
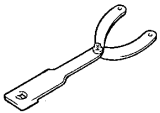

	(91651-60855) Bolt	PARTIAL ENGINE ASSY(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE) CHAIN(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09222-30010 Connecting Rod Bushing Remover & Replacer	CYLINDER BLOCK ASSY(3MZ-FE)
	09223-00010 Cover & Seal Replacer	PARTIAL ENGINE ASSY(3MZ-FE) OIL PUMP SEAL(3MZ-FE)
	09223-15030 Oil Seal & Bearing Replacer	PARTIAL ENGINE ASSY(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09223-22010 Crankshaft Front Oil Seal Replacer	PARTIAL ENGINE ASSY(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	09228-06501 Oil Filter Wrench	PARTIAL ENGINE ASSY(2AZ-FE)
	09228-07501 Oil Filter Wrench	PARTIAL ENGINE ASSY(3MZ-FE)
	09248-55040 Valve Clearance Adjust Tool Set	VALVE CLEARANCE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE)
	(09248-05410) Valve Lifter Press	VALVE CLEARANCE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE)
	(09248-05420) Valve Lifter Stopper	VALVE CLEARANCE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE)
	09249-63010 Torque Wrench Adaptor	FAN AND GENERATOR V BELT(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE)


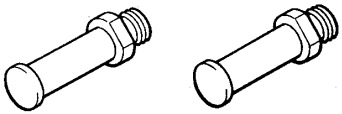
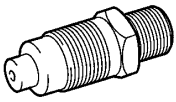
PREPARATION - ENGINE MECHANICAL

	09308-10010 Oil Seal Puller	TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	09309-37010 Transmission Bearing Replacer	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE)
	09325-20010 Transmission Oil Plug	PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09330-00021 Companion Flange Holding Tool	PARTIAL ENGINE ASSY(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE) CHAIN(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09520-01010 Drive Shaft Remover Attachment	PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09520-24010 Differential Side Gear Shaft Puller	PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	(09520-32040) Shocker Set	PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09628-6201 1 Boll Joint Puller	PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09843-18020 Diagnosis Check Wire	ENGINE(2AZ-FE)
	09843-18030 Tacho-pulse Pickup Wire No.2	ENGINE(2AZ-FE) FAN AND GENERATOR V BELT(2AZ-FE) ENGINE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)

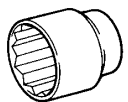
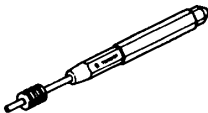
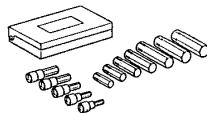
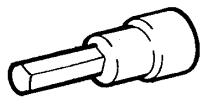
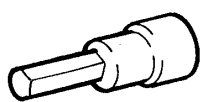
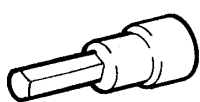
	09843-18040	Diagnosis Check Wire No.2	ENGINE(2AZ-FE) ENGINE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09930-00010	Drive Shaft Nut Chisel	PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09950-50013	Puller C Set	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE)
	(09951-05010)	Hanger 150	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE)
	(09952-05010)	Slide Arm	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE)
	(09953-05020)	Center Bolt 150	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE)
	(09954-05011)	Claw No.1	PARTIAL ENGINE ASSY(3MZ-FE) OIL PUMP SEAL(3MZ-FE)
	(09954-05021)	Claw No.2	PARTIAL ENGINE ASSY(2AZ-FE) CHAIN(2AZ-FE)

PREPARATION - ENGINE MECHANICAL

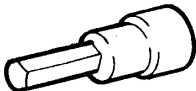
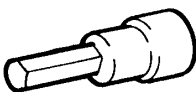
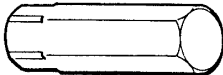
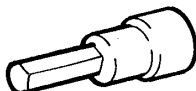
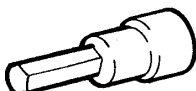
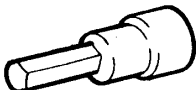
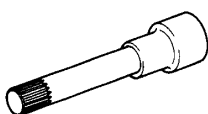


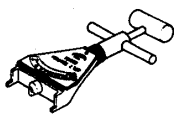
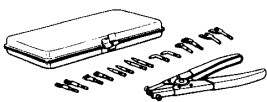
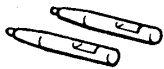
	(09954-05031) Claw No.3 PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE)
	09950-60010 Replacer Set CYLINDER BLOCK ASSY(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE)
	(09951-00200) Replacer 20 CYLINDER BLOCK ASSY(2AZ-FE) TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL(2AZ-FE)
	(09951-00430) Replacer 43 PARTIAL ENGINE ASSY(3MZ-FE)
	09950-70010 Handle Set PARTIAL ENGINE ASSY(2AZ-FE) CYLINDER HEAD ASSY(2AZ-FE) CYLINDER BLOCK ASSY(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE) CYLINDER HEAD ASSY(3MZ-FE)
	(09951-07100) Handle 100 PARTIAL ENGINE ASSY(2AZ-FE) CYLINDER HEAD ASSY(2AZ-FE) CYLINDER BLOCK ASSY(2AZ-FE) ENGINE REAR OIL SEAL(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE) CYLINDER HEAD ASSY(3MZ-FE)
	09960-10010 Variable Pin Wrench Set PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE)
	(09962-01000) Variable Pin Wrench Arm Assy PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE)
	(09963-00500) Pin 5 PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE)

	(09963-00700) Pin 7	PARTIAL ENGINE ASSY(2AZ-FE)
	(09963-01000) Pin 10	PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE)
	09992-00500 Compression Gauge Attachment	ENGINE(3MZ-FE)

Recommended Tools

	09011-12301 Socket Wrench 30 mm	PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09031-00040 Pin Punch .	CYLINDER HEAD ASSY(2AZ-FE)
	09040-0001 1 Hexagon Wrench Set	PARTIAL ENGINE ASSY(2AZ-FE) VALVE CLEARANCE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE) CYLINDER HEAD ASSY(3MZ-FE) CYLINDER BLOCK ASSY(3MZ-FE)
	(09043-20050) Socket Hexagon Wrench 5	VALVE CLEARANCE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	(09043-20060) Socket Hexagon Wrench 6	PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	(09043-20080) Socket Hexagon Wrench 8	VALVE CLEARANCE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE)

PREPARATION - ENGINE MECHANICAL

	(09043-20100) Socket Hexagon Wrench 10	PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE) CYLINDER BLOCK ASSY(3MZ-FE)
	(09043-20120) Socket Hexagon Wrench 12	PARTIAL ENGINE ASSY(3MZ-FE)
	(09043-30140) Straight Hexagon Wrench 14	CYLINDER HEAD ASSY(3MZ-FE)
	(09043-20060) Socket Hexagon Wrench 6	PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	(09043-20080) Socket Hexagon Wrench 8	VALVE CLEARANCE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE)
	(09043-20100) Socket Hexagon Wrench 10	PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE) CYLINDER BLOCK ASSY(3MZ-FE)
	09043-50100 Bi-hexagon Wrench 10 mm	PARTIAL ENGINE ASSY(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE)
	09090-04020 Engine Sling Device	CHAIN(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09200-00010 Engine Adjust Kit	VALVE CLEARANCE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE)
	09216-00021 Belt Tension Gauge	ENGINE(3MZ-FE) DRIVE BELT(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) TIMING BELT(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) OIL PUMP SEAL(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE)
	09904-00010 Expander Set	PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE)
	(09904-00040) No. 3 Claw	PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE)

Equipment

Abrasive compound	Valve
Brush	Piston
Caliper gauge	
Carbide cutter	
CO/HC meter	
Compression gauge	
Connecting rod aligner	
Cylinder gauge	
Dial indicator	
Dye penetrant	
Engine tune-up tester	
Groove cleaning tool	Piston ring groove
Heater	
Hexagon wrench (1.5 mm)	Timing belt tensioner
Micrometer	
Pin hole grinder	Connecting rod bushing
Piston ring compressor	
Piston ring expander	
Plastigage	
Precision straight edge	
Press	
Reamer	Cylinder
Ridge reamer	Cylinder
Soft brush	Cylinder head Cylinder block
Solvent	
Spring tester	Valve spring
Steel square	Valve spring
Thermometer	
Torque wrench	
Valve seat cutter	
Valve guide bushing brush	
V-block	
Vernier calipers	
Wire brush	Valve Cylinder head

SSM

08826-00080	Seal Packing Black or equivalent (FIPG)	VALVE CLEARANCE(2AZ-FE) PARTIAL ENGINE ASSY(2AZ-FE) CYLINDER HEAD GASKET(2AZ-FE) CAMSHAFT(2AZ-FE) CHAIN(2AZ-FE) VALVE CLEARANCE(3MZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CAMSHAFT (RH BANK)(3MZ-FE) CAMSHAFT (LH BANK)(3MZ-FE) CYLINDER HEAD GASKET(3MZ-FE) CYLINDER HEAD GASKET NO.2(3MZ-FE) CYLINDER HEAD ASSY(3MZ-FE)
08826-00100	"Seal Packing 1282B," THREE BOND 1282B or equivalent (FIPG)	PARTIAL ENGINE ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) CYLINDER BLOCK ASSY(3MZ-FE)
08833-00070	"Adhesive 1324," THREE BOND 1324 or equivalent	PARTIAL ENGINE ASSY(2AZ-FE) CYLINDER BLOCK ASSY(2AZ-FE) PARTIAL ENGINE ASSY(3MZ-FE) ENGINE REAR OIL SEAL(3MZ-FE) CYLINDER HEAD ASSY(3MZ-FE) CYLINDER BLOCK ASSY(3MZ-FE)