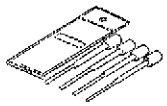
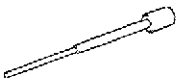
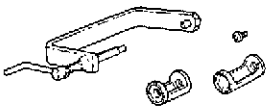
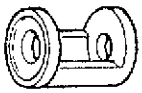
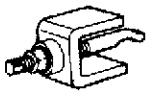
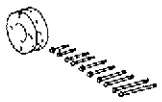
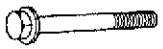
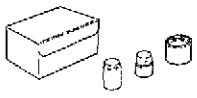
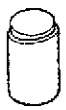
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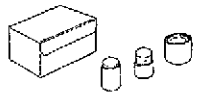
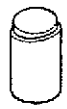
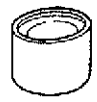
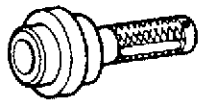
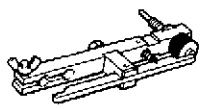
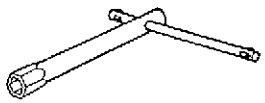
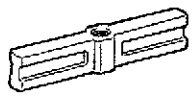
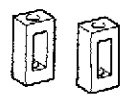
## PREPARATION

### SST (SPECIAL SERVICE TOOLS)

EG0AY-2F

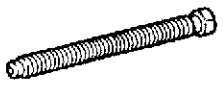
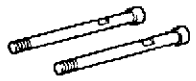
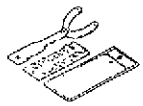
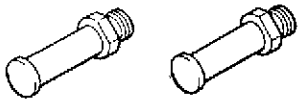
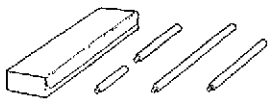
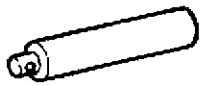
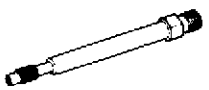
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|---|---|---|
|  | 09201—10000 Valve Guide Bushing Remover & Replacer Set | |
|  | (09201—01080) Valve Guide Bushing Remover & Replacer 8 | |
|  | 09202—70020 Valve Spring Compressor | |
|  | (09202—00030) Attachment | |
|  | 09208—48010 Combustion Chamber Remover | |
|  | 09213—54015 Crankshaft Pulley Holding Tool | |
|  | (91651—60855) Bolt | |
|  | 09214—60010 Crankshaft Pulley & Gear Replacer | Crankshaft front oil seal |
|  | 09222—54011 Connecting Rod Bushing Remover & Replacer | |
|  | (09222—03016) Remover & Replacer | 3L |
|  | (09222—03021) Guide | 3L |
|  | (09222—03026) Base | 3L |

| | | | |
|---|---|---|---|
|  | 09222−64012 | Connecting Rod Bushing Remover & Replacer | |
|  | (09222−02022) | Remover & Replacer | 2L |
|  | (09222−02031) | Guide | 2L |
|  | (09222−02041) | Base | 2L |
|  | 09223−15030 | Oil Seal & Bearing Replacer | Crankshaft rear oil seal |
|  | 09223−46011 | Crankshaft Front Oil Seal Replacer | Crankshaft timing pulley<br>Camshaft oil seal |
|  | 09248−64011 | Valve Clearance Adjusting Tool | |
|  | 09275−54011 | Plunger Stroke Measuring Tool | |
|  | 09275−54020 | Maximum Speed Adjusting Screw Lock Nut Wrench | |
|  | 09330−00021 | Companion Flange Holding Tool | Crankshaft pulley |
|  | 09950−50010 | Puller C Set | |
|  | (09951−05010) | Hanger 150 | Crankshaft pulley<br>Crankshaft timing pulley<br>Camshaft timing pulley<br>Injection pump drive pulley |
|  | (09952−05010) | Slide Arm | Crankshaft pulley<br>Crankshaft timing pulley<br>Camshaft timing pulley<br>Injection pump drive pulley |
|  | (09953−05010) | Center Bolt 100 | Crankshaft pulley<br>Crankshaft timing pulley<br>Injection pump drive pulley |

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| | | |
|---|---|---|
|  | (09953−05020) Center Bolt 150 | Crankshaft pulley<br>Crankshaft timing pulley<br>Camshaft timing pulley |
|  | (09954−05010) Claw No.1 | Crankshaft timing pulley |
|  | (09954−05020) Claw No.2 | Camshaft timing pulley<br>Injection pump drive pulley |
|  | (09954−05030) Claw No.3 | Crankshaft pulley |
|  | 09960−10010 Variable Pin Wrench Set | |
|  | (09962−01000) Variable Pin Wrench Arm Assy | Camshaft timing pulley<br>Injection pump drive pulley |
|  | (09963−01000) Pin 10 | Camshaft timing pulley<br>Injection pump drive pulley |
|  | 09950−70010 Handle Set | |
|  | (09951−07100) Handle 100 | Valve guide bushing |
|  | (09951−07150) Handle 150 | Crankshaft rear oil seal |
|  | 09992−00024 Cylinder Compression Check Gauge Set | |
|  | (09992−00121) No. 4 Attachment | |
|  | (09992−00211) Gauge Assy | |

## RECOMMENDED TOOLS

EG0AZ-1X

| | | | |
|---|---|---|---|
|  | 09082-00040 | TOYOTA Electrical Tester. | VSV for intake sutter |
|  | 09200-00010 | Engine Adjust Kit . | |
|  | 09904-00010 | Expander Set . | |

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## EQUIPMENT

EG0B0-20

| | |
|---|---|
| Caliper gauge | |
| Connecting rod aligner | |
| Cylinder gauge | |
| Dial indicator | |
| Dye penetrant | |
| Engine tune-up tester | |
| Heater | |
| Magnetic finger | |
| Micrometer | |
| Piston ring compressor | |
| Piston ring expander | |
| Plastic-faces hammer | |
| Plastigage | |
| Precision straight edge | |
| Ridge reamer | |
| Soft brush | |
| Spring tester | Valve spring |
| Steel square | Valve spring |
| Thermometer | |
| Torque wrench | |
| Valve seat cutter | |
| V-block | |
| Vernier calipers | |
| Wire brush | |

## SSM (SERVICE SPECIAL MATERIALS)

EG0B1-30

| | | |
|---|---|---|
| 08826-00080 | Seal Packing Black or equivalent (FIPG) | Cylinder head semi-circular plug<br>Cylinder head<br>Camshaft oil seal retainer |
| 08833-00070 | Adhesive 1324, THREE BOND 1324 or equivalent | Union<br>Flywheel bolt<br>Drive plate bolt |