

Special Service Tools (Z 22 SE)

KM— Spark Plug
194-E Wrench

To remove and install the
spark plugs

KM— Slide Hammer
313

To remove the left-hand
axle shaft in conjunction
with KM-6003-1

KM— Milling set
340-1-
F

To mill/rework the valve
seats

KM— Spring
348 Compressor

To compress the valve
springs in conjunction
with KM-6149

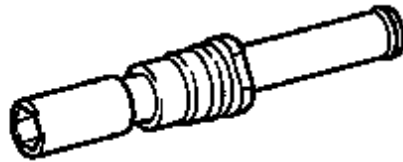
KM— Engine
412 Assembly Stand

To hold removed engine

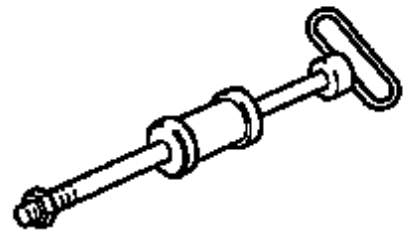
KM— Adapter
412-27

To support the engine in
conjunction with KM-412

KM-194-E



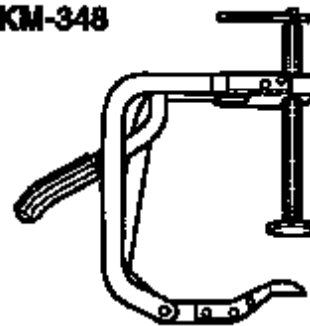
KM-313



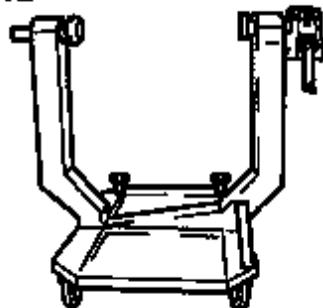
KM-340-1-F



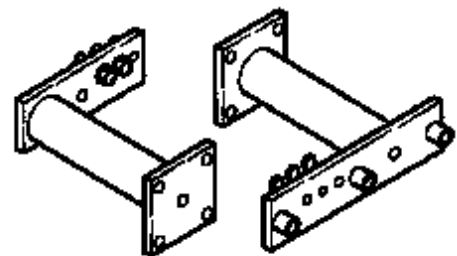
KM-348



KM-412



KM-412-27



L 6065

KM— Extractor
460-B

To remove the right-hand
axle shaft

KM— Holding Wrench
468-B

For holding the wheel hub

KM— Angled Wrench
470-B

To tighten the cylinder
head bolts

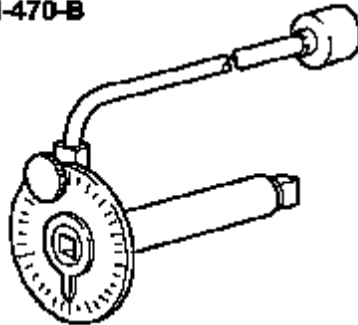
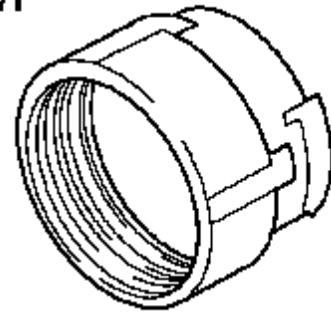
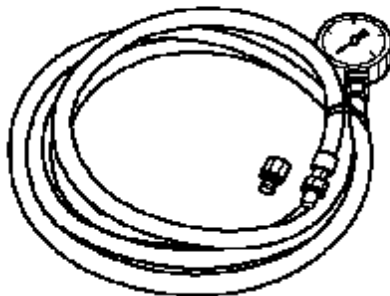
KM-471 Adapter

To check pressurised
cooling system in
conjunction with cooling
system tester

KM— Oil Pressure
498-B Gauge

To check the oil pressure

in conjunction with KM-
6106

KM-460-B**KM-468-B****KM-470-B****KM-471****KM-498-B**

L0008814

KM- Dial Gauge
571-B

To test various
components

MKM- Temperature
596-A Gauge

To measure oil
temperature

KM- Torx Bit and
604-D Socket Set

To remove and install
Torx bolts

KM-609 Electronic Kit I

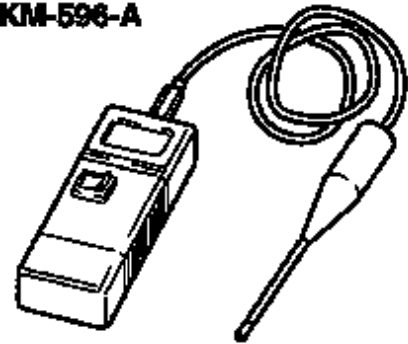
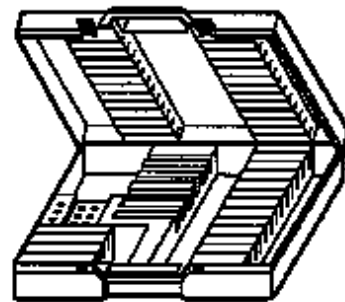
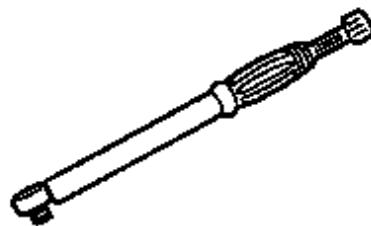
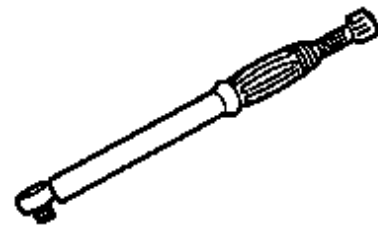
Diagnosis of electronic
and electric systems

MKM- Torque Wrench
610 1/2" Drive

Range 30-130 Nm.

MKM- Torque Wrench
611 3/8" Drive

Range 10-60 Nm.

MKM-571-B**MKM-596-A****MKM-804-D****KM-609****MKM-610****MKM-611****L 6067**

KM- Flywheel Holder
652

Locking flywheel or drive
plate

MKM- High-pressure
667 and Vacuum
Pump

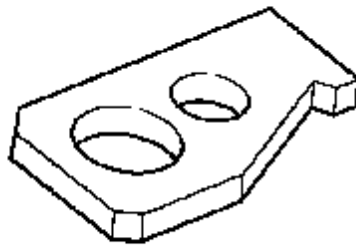
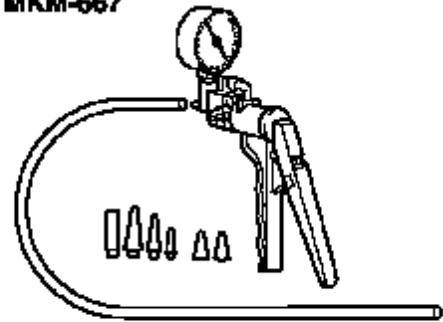
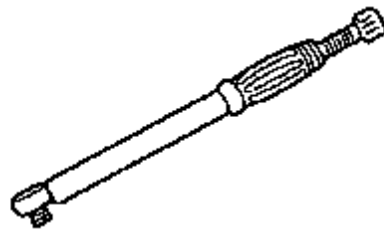
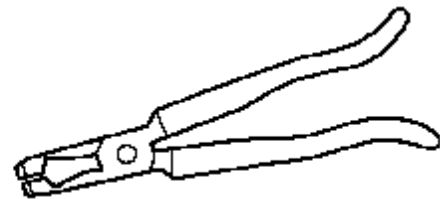
To test for leaks in the
vacuum systems

MKM- Torque Wrench
669 1/2" Drive

Range 50 – 300 Nm

KM- Remover/Installer
840

To remove the valve stem
seals

KM-852**MKM-667****MKM-669****KM-840****L0008815**

MKM– Automatic Valve
889 Spring/Lever
Assembly

To remove and install the
valve stem seals (cylinder
head installed)

MKM– Basic Frame
904

To remove and install
various vehicle
components with
additional adapters

MKM– Expanding Tool
915

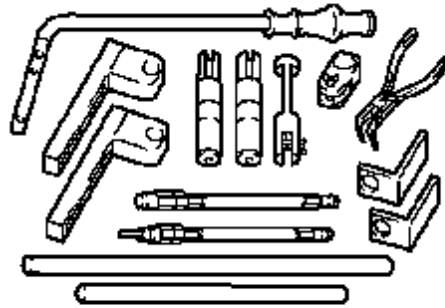
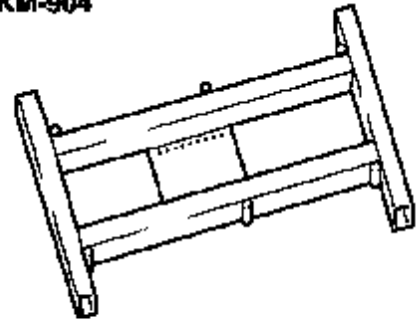
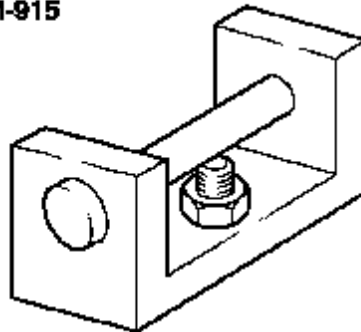
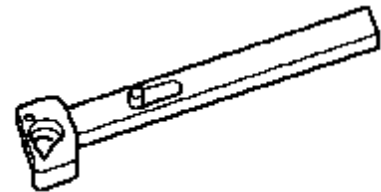
To remove the guide joint
from the steering knuckle

MKM– Holding Wrench
956–1

To remove and install the
rotational vibration
damper in conjunction
with KM–J–38122–A

KM- Remover
6003-1

To remove the left-hand
axle shaft in conjunction
with KM-313

MKM-889**KM-904****KM-915****KM-956-1****KM-6003-1**

L0009816

KM- Zentrier
6054 vorrichtung
Centring Mount

To remove and install the
engine in conjunction with
KM-904

KM- Timing Peg
6077

To immobilise the chain
tensioner for the balancer
shaft timing chain

KM- Assembly
6105 Sleeves

To install the crankshaft
oil seal (timing chain end)

MKM- Adapter
6106

To measure engine oil
pressure in conjunction
with KM-498-B

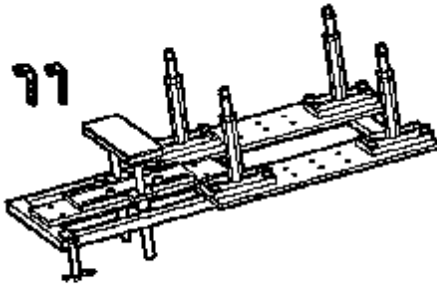
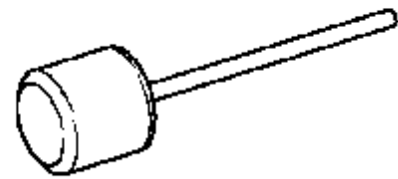
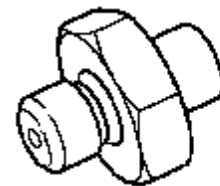
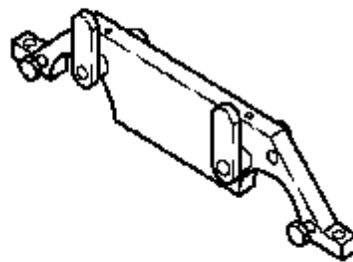
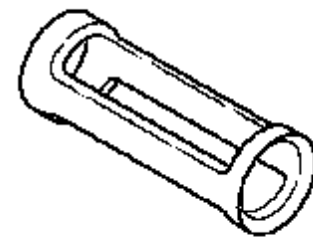
KM- Immobilising

6148 Tool

To secure the camshaft timing sprockets and to check the valve timing

KM- Adapter
6149

To remove and install the valve springs and valve collets in conjunction with KM-348

KM-6054**KM-6077****KM-6105****KM-6106****KM-6148****KM-6149**

L0008817

KM-6150 Oil Filter Wrench

To remove and install the oil filter

KM-6151 Tensioning Wrench

To release the ribbed V-belt tensioner

KM-6152 Installer

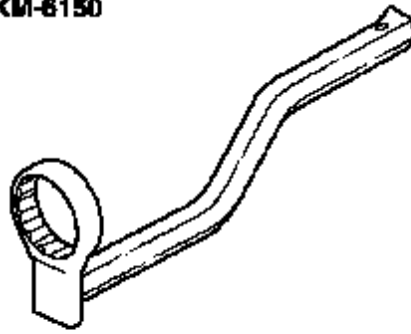
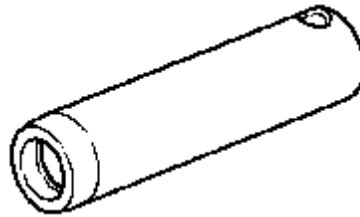
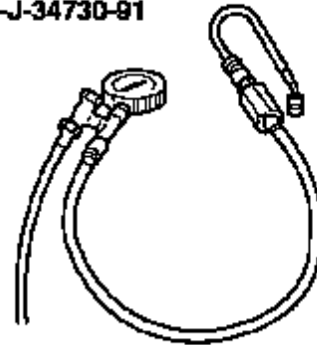
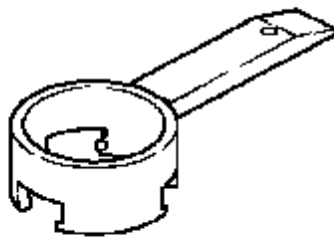
To install the valve stem oil seals

KM-J- 34730-91 Pressure Tester

To check the fuel pressure

KM-J- 38122-A Holding Adapter

To remove and install the rotational vibration damper in conjunction with KM-956-1

KM-6150**KM-6151****KM-6152****KM-J-34730-91****KM-J-38122-A**

L0009818

KM-J-41742 Guide Pins

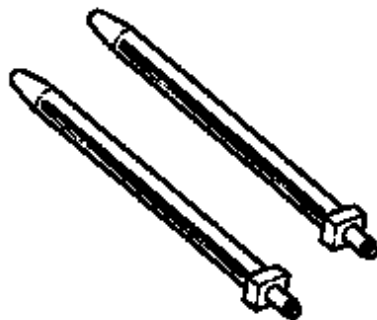
To install the connecting rod

KM-J-42067 Installer

To install the crankshaft oil seal (transmission end)

KM-J-43651 Holding Tool

To hold the coolant pump timing sprocket

KM-J-41742**KM-J-42087****KM-J-43851****L 4122**