



The Strobe light checks the unit for:

- Balance of operating machinery
- RPM of motors, engine pulleys, fans, etc.
- Observe belt slippage
- Strobe light will “stop action” at speeds from 200 to 6000 RPM

204-1890 Strobe light, 110V

204-1891 Strobe light, 220V

204-458 Replacement bulb

Warranty information provided in the Shop Supply section.



Checks the cylinder compression in gasoline and propane engines. The gauge fits all sizes of spark plug holes. Reads from 0 to 300 psi.

204-1057 Compression gauge



A versatile instrument for checking run-out on starter-generator, distributors, flywheel, etc. The tool comes with handy mounting clamps and carrying case.

204-166 Dial indicator

General Tools



Accurately measures protection level of antifreeze and specific gravity of batteries. Fast and easy to use, even by untrained personnel, this Refractometer measures ethylene and propylene glycol antifreeze concentrations up to 70% -84F. It is accurate to within $\pm 2F$ and corrects for the fluid temperature, whether hot or cold.

204-754 Refractometer



Diesel engine tools

This diesel compression tester has a range of 150 - 850 psi (1,034-13,400 kPa). The tester includes a gauge, flexible hose, chart holder and 50 charts, all packaged in a wooden case.

204-542 Gauge - compression tester

Order adapters separately

- 204-419 C201 Adapter
- 204-519 Hose only - compression gauge
- 204-563 C201, right angle adapter
- 204-543 OM636
- 204-593 di 2.2, se 2.2
- 204-672 Adapter 19mm x 1/8 npt
- 204-674 TK235 & TK353
- 204-675 TK 2.44, TK 3.66 & TK 3.88
(also needs 204-672)

204-1848 Tier II adapter

NOTE: Tool 204-674 adapter for TK235 and TK353 includes injector adapter 204-672. Tool 204-675 adapter for TK 2.44, TK 3.66 and TK 3.88 does not include adapter 204-672 and must be ordered separately. See Service Bulletin T & T 68 for more information.



Tool is used to test fuel pressure on Yanmar engines, refer to T&T362

204-1848 Adapter compression tester



Replacement chart holder for compression tester gauge 204-542.

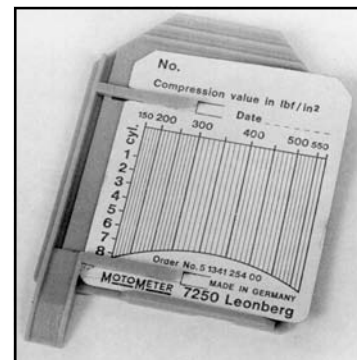
204-541 Chart holder

Package of 100 charts for compression tester gauge 204-542. (150 to 850 psi)

204-544 Charts (package of 100)

Package of 100 charts for compression tester gauge 204-542. (150 to 550 psi)

204-437 Charts (package of 100)





TK 486 Tier 1 & 2 Fuel Injection Nozzle Puller
(Slide Hammer Adapter)

204-1845 Adapter injector puller



Fuel bowl wrench for truck fuel pump 41-7059

**204-1166 Filter bowl wrench for electric
fuel pump**



Fuel bowl wrench for water bowl on trailer fuel filter
10-415

204-1913 Wrench water bowl



Fuel bowl wrench for trailer fuel filter bowl 12-945

204-1938 Fuel filter wrench



Diesel Engine Tools

For testing nozzle “popping” pressure. The nozzle tester includes a pressure gauge for adjustment and extra test tubes. For further information on how to use the tester, see the Thermo King overhaul manual for your engine.

204-290 Tester Nozzle

Replacement parts:

204-451 Tube - straight

204-421 Bowl

11-5960 Filter

204-597 Gauge

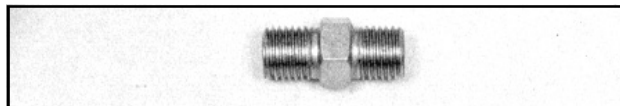
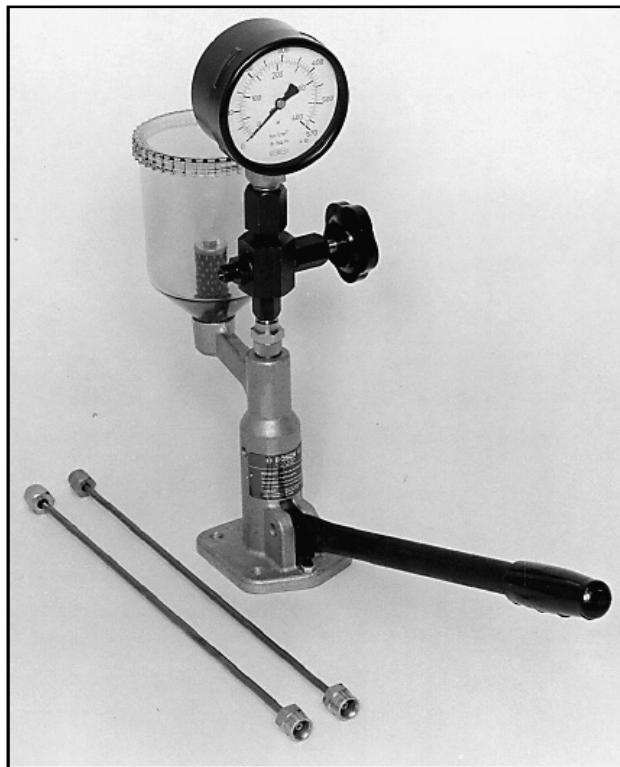
204-451 Replacement tubes

This adapter is necessary for testing injection pressure on TK 235 and TK 353 engines. To test the injection nozzle, attach this adapter to the tester tube. Attach the engine injection line to the adapter and connect the injection nozzle to the injection line.

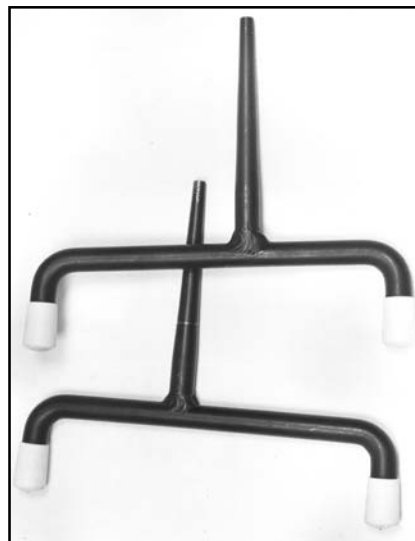
204-524 Adapter nozzle tester, TK 235 and TK 353

These self-aligning head holders will accept the OM636, C201PT, di 2.2, se 2.2, TK2.44, TK3.66, TK3.88, TK235, TK353, Ford and GM heads. Does a beautiful job of holding the heads in proper position for valve work.

204-472 Head holder (pair)



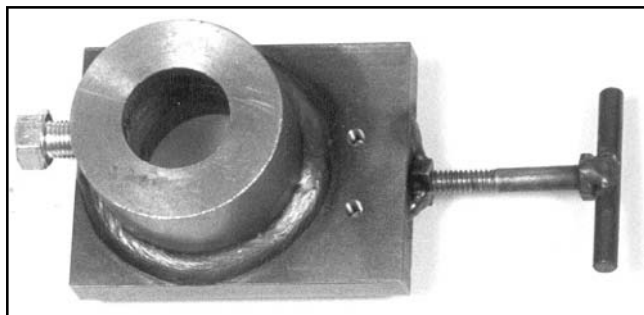
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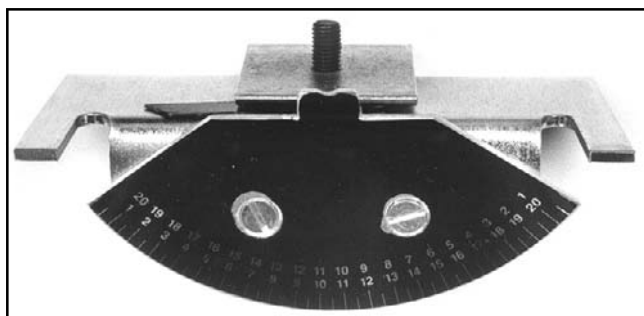
Use in Yanmar 486 engines.

204-1041 Core plug installation tool



Use of this tool will increase oil pressure in an early style oil pump (not needed in high capacity pumps) by eliminating the built-in tolerance between the oil pump mounting and the crankcase mating surface. The groove will accept O-ring (33-144). For more information see C201 Overhaul Manual TK5649.

204-462 Tool - groove cutting, C201



Attaches directly to the injection pump control pinion for accurate checking and/or adjusting of the injecting rate. For more information, see the C201 Overhaul Manual TK5649.

204-431 Gauge - injection pump, C201



The anti-theft screws can only be removed with these special tools. Each dealer should have at least one tool. Use with kits 90-123, 90-124 and 90-125.

204-574 Driver - tool head

204-575 Key - tool head

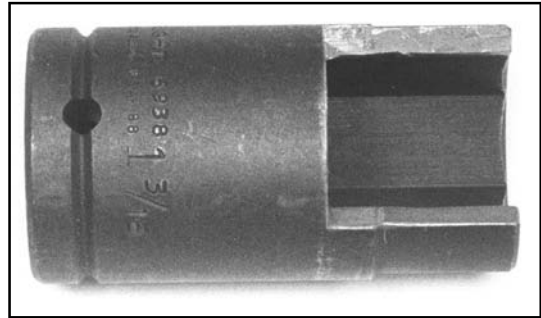




C201 Engine

A socket with a special cutaway for removing the injection nozzle from the C201 diesel engine.

204-488 Socket - injection nozzle, C201



One tool will both remove and install guides for both intake and exhaust valves.

204-355 Replacer - valve guide, C201



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Installer for the rear seal.

204-414 Rear oil seal installer C201



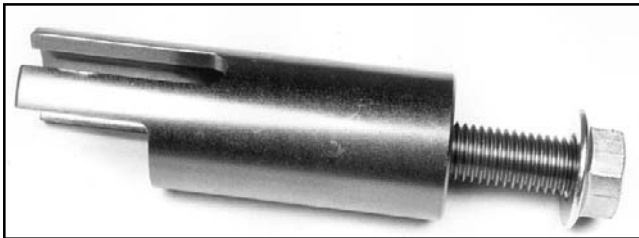
di 2.2 & se 2.2 Engine



Use for setting the injection pump timing on the di and se 2.2 engine.

204-589 Dial indicator - millimeter

204-1037 Contact replacement point



Fuel quality, along with the practice of blending used oil in diesel fuel has made routine nozzle inspection more important and a requirement in a good preventative maintenance program. This tool will assist in reducing time spent removing nozzles for inspection.

204-902 Injection nozzle puller



Installer for the “speedi-sleeve” on the di 2.2 & se 2.2 engines.

204-696 Speedi-sleeve installer

Replacement parts:

204-694 Threaded rod

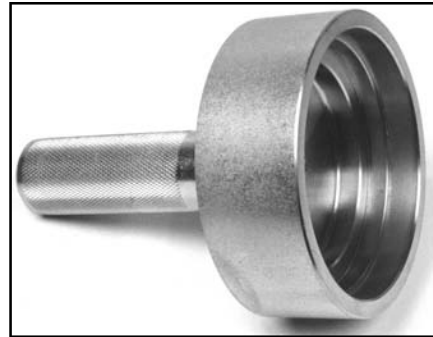
204-695 Installer



di 2.2 & se 2.2 Engine

Installs the rear seal hard ring.

204-755 Hard ring installer



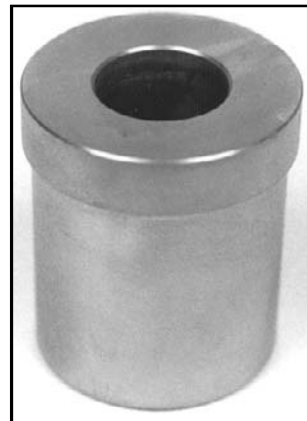
Use with compression tester gauge 204-542 to check engine compression

204-593 Compression adapter



Use with driver from tool **204-480** to remove and replace the precision camshaft bearings.

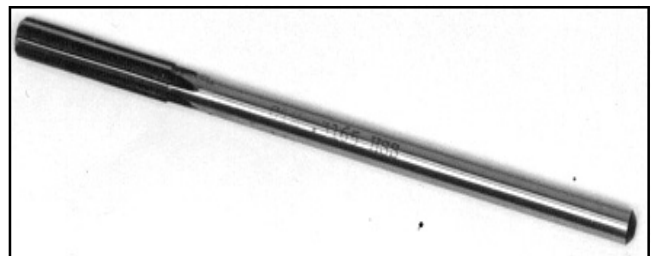
204-664 Camshaft bearing installer



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Reams the valve guides to the proper size after installation (0.3155")

204-396 Reamer - valve guide



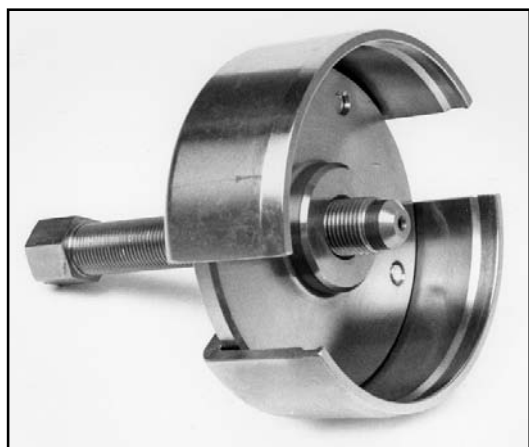
di 2.2 and se 2.2 Engine



Use to properly install the rear seal on di 2.2 and se 2.2 engines. It is designed so that the cap bottoms against the adapter when the seal is set at the proper depth.

204-847 Rear seal installer

204-908 Adapter - engines w/hard rings



All se 2.2 engines after serial number 198650 use a new rear axial crankshaft seal (33-2634). This tool is necessary to safely remove the seal.

204-848 Rear seal remover



Installs the front seal to the proper depth on C201, di 2.2 and se 2.2 engines.

204-907 Front seal installer



TK 486 Engine

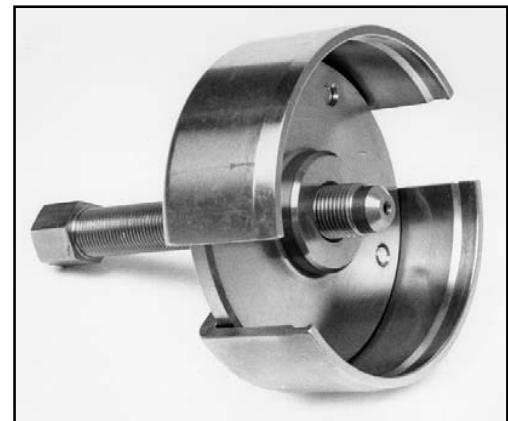
Installation tool for the rear axial crankshaft seal for the Yanmar 486 engine.

204-952 Seal installation tool



The TK 486 engines use a new rear axial crankshaft seal (33-2974). This tool is necessary to remove the seal, and avoid damaging the shaft.

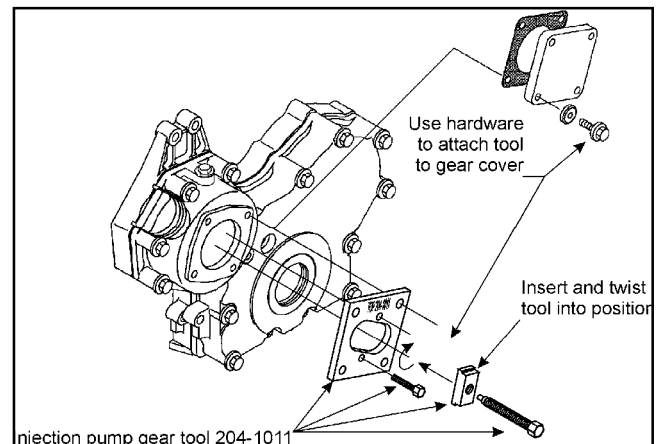
204-994 Rear seal remover



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The injection pump gear on the TK486 and TK482 engines will not fit thru the gear housing when removing the pump, the gear must be separated from the pump. Using this tool, it will not be necessary to remove the belts, fuel pump, crankshaft pulley, crankshaft seal or front plate. The tool allows removal of the injection pump while holding the injection pump gear in position for reassembly.

204-1011 Injection pump remover





TK 482/486

Installs the front seal to the proper depth on TK 486/482 engines

204-1138 Front seal installer



Use the plunger support tool to support the plunger when removing the injection pump camshaft. Refer to PB1342

204-1083 Tool - Injection pump plunger sprint support



This tool is specifically designed for installation of the bond-in type bushings (see Parts Bulletin 1402 and Service Bulletin T & T 353)

204-1116 Tool-Drive bushing installer (press type)



This tool is specifically designed for installation of the drive pin used with bond-in type bushings (see Parts Bulletin 1402 and Service Bulletin T & T 353)

204-1117 Tool-Drive bushing installer (press type)



This tool is specifically designed for installation of the bond-in type bushings (see Parts Bulletin 1402 and Service Bulletin T & T 353)

204-1118 Tool-Drive bushing installer (Impact Driver)



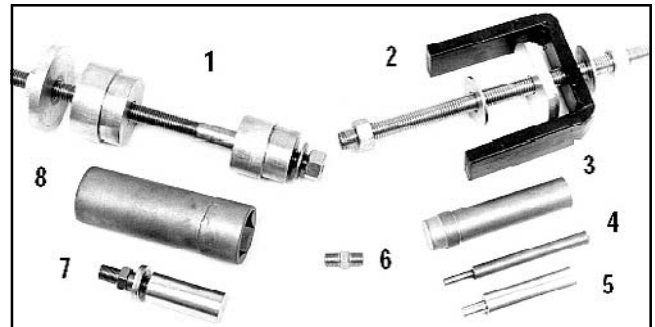
TK 235, TK 353 TOOLS

This tool set contains the special tools necessary to overhaul the TK235 and TK353 engines.

204-523 Tool set

The Tool set **204-523** contains the following:

Part no.	Description	Item
204-687	Remover/installer, main brg	1
204-688	Puller - cylinder sleeve	2
204-692	Remover/installer - cam brg	3
204-691	Remover/installer, valve guide	4
204-690	Driver - piston pin	5
204-524	Adapter - nozzle tester	6
204-674	Adapter compression tester	7
204-689	Socket - Crankshaft gear nut	8



CK, CCK, RCCK, RDJA ENGINE TOOLS

Machined aluminum casting for use in accurate timing Onan CK & CCK engine with combination starter-generator and external mounted governor.

204-131 Timing template

Screws into the armature and presses on the crankshaft to slid the armature from the taper shaft on CK, CCK and RCCK with starter-generator.

204-454 Puller - armature

Valve guide installer for CCK engine.

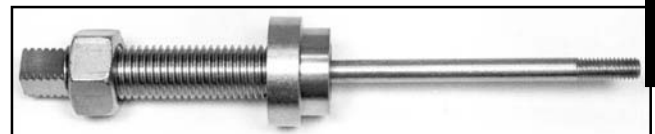
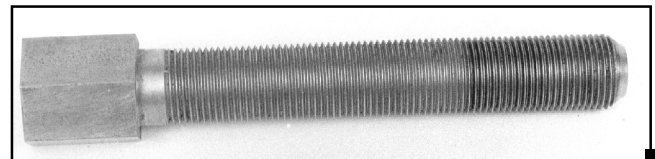
204-599 Installer - valve guide

Bolt the puller ring to the crankshaft gear on the CCK engine. The overhanging edge of the permits removal of the gear with a puller.

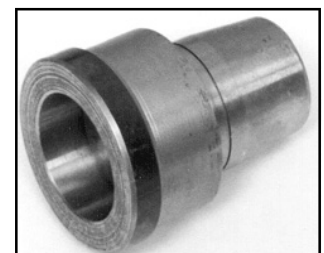
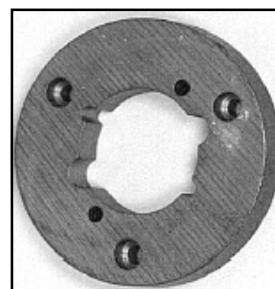
204-219 Ring- gear puller

For installation of the oil seal in the CK, CCK and RCCK engines. Prevents oil leak and damage to the oil seal.

204-185 Guide & driver for oil ring



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For checking belt tension on fan belts, alternator belts, etc. The tool hooks over the belt and applies spring pressure giving a direct readout in TKSBU's of belt tension. Increases belt life, reduces belt slippage and increases bearing life.

204-427 Gauge - belt tension



This tool will adjust the belt tension on the SL unit. Adjusts the engine to idler belt and the idler to fan belt.

204-1078 Belt tension adjuster



This tool will adjust the belt tension on the T series truck units with the optional spring belt tensioner.

204-1915 Belt tension adjuster



This tool will adjust the belt tension on the T series truck units with the static belt tensioner.

204-1903 Belt tension tester



This tool is used to tension 3-3V, 2B & 2-5V drive belts used in bus HVAC applications. It has tension marking of 180 & 200 for new and used belts.

204-1198 Bus belt tension tester





Test cooling systems for leaks by pressurizing cooling system up to 30 psi. Kit comes with 1 adapter to test radiator caps up to 30 psi. Refer to T&T525

204-1842 Cooling system pressure tester



Adapts the cooling system pressure tester 204-1842 to the SB expansion tank

204-1843 Coolant adapter