SERVICE MANUAL

MODEL
L20A, L24 SERIES
ENGINE

NISSAN

NISSAN MOTOR CO., LTD.
TOKYO, JAPAN

SECTION SE

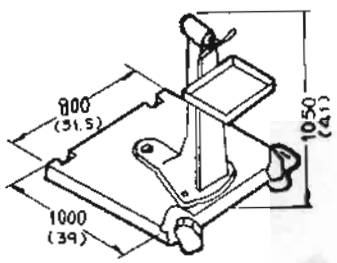
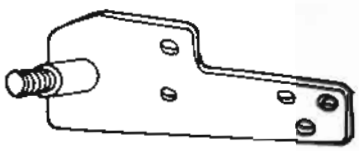
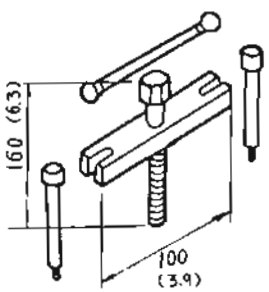
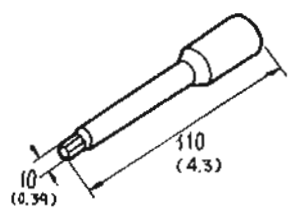
SERVICE EQUIPMENT

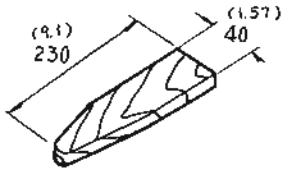
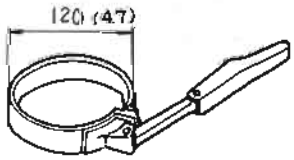
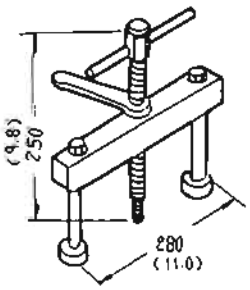
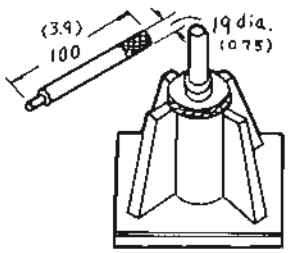
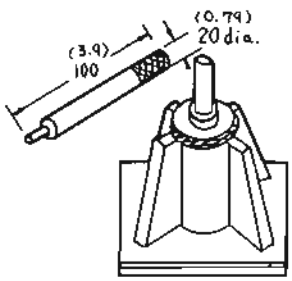
SE

L20A, L24 ENGINE SPECIAL SERVICE TOOL ..... SE- 1

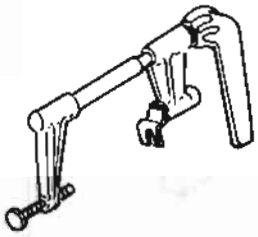
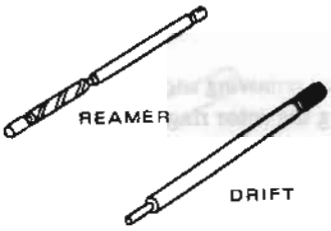
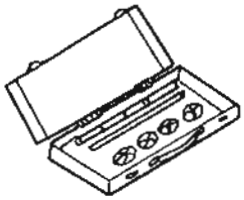
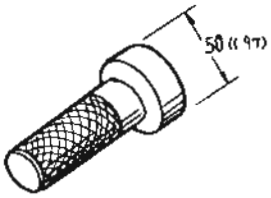
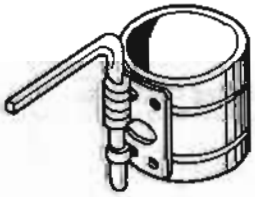
L20A, L24 ENGINE SPECIAL SERVICE TOOL

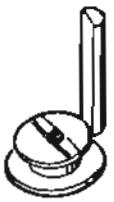
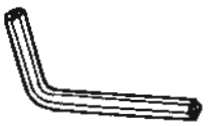
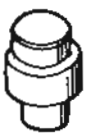
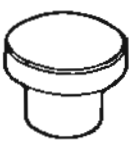
510 Special service tool set number ST09110000

Tool number (Former tool number) Tool name	Figure mm (inch)	Description	510 special service tool set	Applied model	S.M. reference page (See Fig. No.)
ST05010000 (ST371S0000) Engine stand		Rotary type stand for efficient, safe disassembly or reassembly of the engine. Use the engine stand with the attachment (ST05340000) as a set.		All	Fig. EM-11
ST05340000 Engine attachment		Attachment for setting the engine on the engine stand.		L24 L20A	Fig. EM-11
ST16540000 (ST44820000) Crank pulley puller		For removing the crank pulley with damper		L24 L20	Fig. EM-17
ST10120000 (ST49010000) Cylinder head bolt wrench		For removing and installing the cylinder head bolts.	○	L24 L20A L16 L13	Fig. EM-19 Fig. EM-82

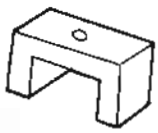
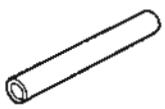
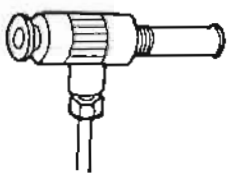
Tool number (Former tool number) Tool name	Figure mm (inch)	Description	510 special service tool set	Applied model	S.M. reference page (See Fig. No.)
ST17420000 (ST49350000) Chain stopper		For supporting the timing chain.	○	L24 L20A L16 L13	Fig. EM-18
ST19320000 (ST49080000) Oil filter wrench		For removing the oil filter	○	All	
ST16510000 (ST4463D000) Crankshaft main bearing cap puller		For removing the rear main bearing cap	○	L24 L20A L16 L13	Fig. EM-23
ST13020000 (ST44840000) Piston pin press stand		For removing and installing the piston pin (L20A)		L20 L20A	Fig. EM-27
ST13030000 (ST4484D000) Piston pin press stand		For removing and installing the piston pin (L24)	○	L24 L16 L13	Fig. EM-27

SERVICE EQUIPMENT

Tool number (Former tool number) Tool name	Figure mm (inch)	Description	510 special service tool set	Applied model	S.M. reference page (See Fig. No.)
ST12070000 (ST4745A000) Valve lifter set		For removing and installing the valve springs	○	All	Fig. EM-30 Fig. EM-69
ST11030000 (ST4480000) Valve guide reamer kit		For replacing and correcting the valve guide		L24 L20A L20 L16 L13	Fig. EM-40
ST11650000 (ST49410000) Valve seat cutter		For correcting the valve seat insert		L24 L20A L16 L13	Fig. EM-41
ST15310000 (ST49370000) Crankshaft oil seal drift		For installing the crankshaft rear oil seal		L24 L20A L16 L13	
EM03470000 (ST60410000) Piston ring compressor		For installing the piston		All	Fig. EM-79

Tool number (Former tool number) Tool name	Figure mm (inch)	Description	510 special service tool set	Applied model	S.M. reference page (See Fig. No.)
EG1670000 (ST20850000) Flow meter		For balancing SU twin carburetor		L24 L16 U20 R	Fig. EF-40 Fig. EC-29
*ST19810000 (STECP20000) Hexagon wrench		For removing and installing the rotor ring assembly		L24 L16 U20 R	Fig. EC-10
*ST19820000 (STECP20001) Support for disassembling rotor ring		For supporting the rotor ring in case of needle bearing removal and installation		L24 L16 U20 R	Fig. EC-11
*ST19830000 (STECP20002) Attachment for pushing out needle bearing		For remvoing the needle bearing		L24 L16 U20 R	Fig. EC-11
*ST19840000 (STECP20003) Attachment for pressing in needle bearing		For installing the needle bearing		L24 L16 U20 R	Page EC-11

SERVICE EQUIPMENT

Tool number (Former tool number) Tool name	Figure mm (inch)	Description	S10 special service tool set	Applied model	S.M. reference page (See Fig. No.)
*ST19850000 (STECP20004) Bridge for pulling out relief valve		Use as a bridge for removing the relief valve by the puller		L24 L16 U20 R	Fig. EC-13
*ST19860000 (STECP20005) Dummy shaft		For assembling the vanes		L24 L16 U20 R	Page EC-10
*ST19870000 (STECP20006) Air pump test gauge adaptor		For checking the air pump performance		L24 L16 U20 R	Page EC-16

* ; Emission control maintenance special tool

SERVICE JOURNAL OR BULLETIN REFERENCE

DATE	JOURNAL or BULLETIN No.	PAGE No.	SUBJECT

SERVICE JOURNAL OR BULLETIN REFERENCE

DATE	JOURNAL or BULLETIN No.	PAGE No.	SUBJECT

NISSAN