

SERVICE MANUAL

**MODEL
L14, L16 & L18 SERIES
ENGINES**

SECTION SE

**SERVICE
EQUIPMENT**

SE





NISSAN

**NISSAN MOTOR CO., LTD.
TOKYO, JAPAN**

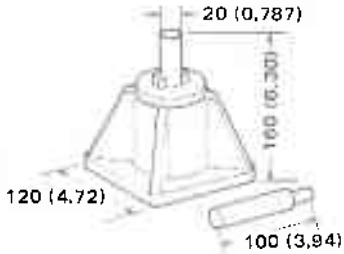


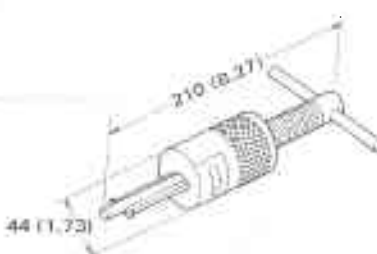
SPECIAL SERVICE TOOLS SE- 2

SERVICE EQUIPMENT

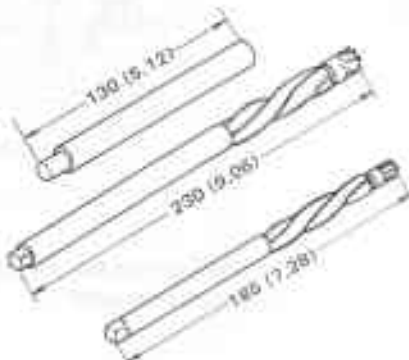


SPECIAL SERVICE TOOLS

	Tool number & tool name	Description Unit: mm (in)	For use on	Reference page or figure No.
1.	ST0501S000 Engine stand assembly — ST05011000 Engine stand — ST05012000 Base	This engine stand assembly is used for disassembling or assembling engine block or differential carrier throughout 360° in all directions.  <div style="text-align: right;">SE 184</div>	All models	Page EM-5 Fig. EM-13
2.	ST05260001 Engine attachment	This engine attachment is installed to engine stand ST0501S000 in disassembling or assembling engine.  <div style="text-align: right;">SE 185</div>	L13 L14 L16 L18	Page EM-5 Fig. EM-13
3.	ST10120000 Cylinder head bolt wrench	Special hollow set bolts are used in tightening cylinder heads in L-series engines. This wrench is used to torque cylinder head bolts and its head can be inserted into the torque wrench.  <div style="text-align: right;">SE 186</div>	All L-series except L20	Page EM-6 Fig. EM-17
4.	ST10640001 Pivot adjuster	This tool is used together with a torque wrench in tightening pivot lock nut for valve clearance adjustment.  <div style="text-align: right;">SE 187</div>	All L-series	Page EM-27 Fig. EM-105

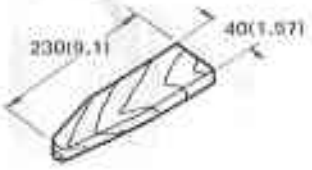
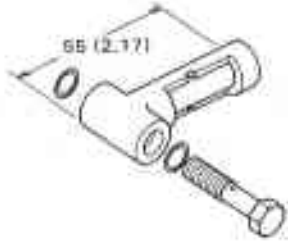
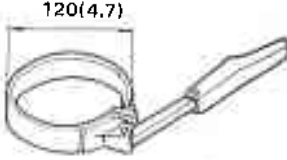

SERVICE EQUIPMENT

No.	Tool number & tool name	Description Unit: mm (in)	For use on	Reference page or figure No.
8.	ST13030001 Piston pin press stand	This tool is used with a press to drive pin into, or out of, connecting rod. 	All L-series except L20.	Page EM-7 Fig. EM-28 Page EM-24 Fig. EM-84
9.	ST15310000 Crankshaft rear oil seal drift	This tool is used to push a lip type rear oil seal for L-series engine into place by giving hammer blows. 	All L-series except L20	Page EM-25 Fig. EM-91
10.	ST1651S000 Crankshaft main bearing cap puller <ul style="list-style-type: none"> — ST16511000 Body — ST16512001 Adapter 	This tool is used to remove the cap from main bearing. When using this tool, turn its adapter into the threaded hole in main bearing cap. 	All L-series	Page EM-6 Fig. EM-24
11.	ST16610001 Pilot bush puller	This tool is used to push pilot bush out of place. 	L13 L14 L16 L18 L20A J20 D12 G15 G18	Page EM-20 Fig. EM-66


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No.	Tool number & tool name	Description Unit: mm (in)	For use on	Reference page or figure No.
5.	ST1103S000 Valve guide reamer set — ST11031000 Reamer (12.2 mm dia.) — ST11032000 Reamer (8.0 mm dia.) — ST11033000 Drift	This guide is used for: ○ Pressing used guide out of place. ○ Driving a new guide into place. ○ Finishing the bore of new guide.  <p style="text-align: right;">SE192</p>	All L-series	Page EM-11 Fig. EM-43
6.	ST11650001 Valve seat cutter set	This valve seat cutter set is used to or refinish a valve seat.  <p style="text-align: right;">SE193</p>	All L-series	Page EM-11 Fig. EM-44
7.	ST12070000 Valve lifter	This tool is used to compress valve spring by the combined action of its cam and lever, thereby facilitating the removal or installation of collect (for general use).  <p style="text-align: right;">SE194</p>	All models	Page EM-24 Fig. EM-81

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No.	Tool number & tool name	Description Unit: mm (in)	For use on	Reference page or figure No.
12.	ST17420001 Chain stopper	<p>This tool is used to prevent chains from falling out of place in removing cylinder heads or cam gears and shafts.</p>  <p style="text-align: right;">SE 195</p>	All L-series	Page EM-6 Fig. EM-18
13.	ST19200000 Float level gauge	<p>This gauge is used to check the float level in the SU type carburetor.</p>  <p style="text-align: right;">SE 196</p>	SU carburetor	Fig. EF-44
14.	ST19320000 Oil filter wrench	<p>This tool is used to take oil filter out of place. In tightening the filter, do not use this tool, to prevent excess tightening.</p>  <p style="text-align: right;">SE 197</p>	All models	Fig. EL-4
15.	EG16700000 Flow meter	<p>This tool is used to bring an SU-type carburetor into functional synchronization. Synchronization is properly made by keeping equal float (or fuel) levels in this unit.</p>  <p style="text-align: right;">SE 198</p>	SU carburetor	Fig. EF-39

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No.	Tool number & tool name	Description Unit: mm (in)	For use on	Reference page or figure No.
16.	EM03470000 Piston ring compressor	This tool is used to compress piston rings while piston is being inserted into cylinder.  SE 199	All models	Page EM-25 Fig. EM-92