DATSUN 280Z
MODEL S30 SERIES

NISSAN

NISSAN MOTOR CO., LTD.
TOKYO, JAPAN

SECTION SE

SERVICE EQUIPMENT

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SE

SERVICE EQUIPMENT

GENERAL DESCRIPTION

Special Tools play very important role in the maintenance of cars. These are essential to the safe, accurate and speedy servicing.

The working times listed in the column under FLAT RATE TIME in FLAT RATE SCHEDULE are computed based on the use of Special Tools.

The identification code of maintenance tools is made up of 2 alphabetical letters and 8-digital figures.

The heading two letters roughly classifies tools or equipments as:

ST00000000:	Special Tool
KV00000000:	Special Tool (Newly established)
EM00000000:	Engine Overhauling Machine
GG00000000:	General Gauge
LM00000000:	Garage Tool
HT00000000:	Hand Tool

HOW TO READ SPECIAL TOOL LIST

APPLIED CAR OR UNIT

In this column word "All" is given for tools applicable to all car models and unit types treated in this manual; for tools applicable only to particular models or units, those car models or unit types are indicated.

NEWLY ADDED

"X" put in this column shows newly added tools.

CLASS

Indicated in this column are classification figures in accordance with "Classification of Special Tool".

REMARKS

As regards special tools which are also applicable to models or units other than those dealt with in this manual, this column names those other models or units.

SPECIAL TOOL SET (See attached tool list)

SET '75 S30 NA KV00100500

Those tools including in "Set '75 S30NA KV00100500" are offered for the S30 models without regard to their destination.

SET 3N71B KV00101000

This set is designed for use on the 3N71B automatic transmission. It consists of the same service tools as those previously available separately.

The set is available for new and other dealers who must go through initial preparation.

CLASSIFICATION OF SPECIAL TOOL

	Classification	
	Important	General
I. Inspection and minor repairs	1	4
II. General disassembly and assembly	2	5
III. Special disassembly and assembly	3	6

A. Important
- a. Exclusive with no alternative
- b. Parts will be damaged if repaired without special tool.
- c. Gauges

B. General
To facilitate servicing

I. Inspection and minor repairs
- a. Inspection and maintenance
- b. Unit replacement
- c. Minor unit disassembly

II. General disassembly and assembly
General disassembly such as engine, transmission and differential

III. Special disassembly and assembly
- a. Disassembly of exclusive parts such as automatic transmission and electrical accessories
- b. Special work such as boring and welding
- c. Work very rarely required.

SPECIAL TOOL LIST

1. Engine Tool

No.	Tool number	Tool name	Applied car or unit		Newly added	Class	Remarks
	ST0501S000 ├ ST05011000 └ ST05012000	Engine stand assembly Engine stand Base	All			5	
	ST05340000	Engine attachment	All			5	
	ST16540000	Crank pulley puller	All			2	
	ST10120000	Cylinder head bolt wrench	All			2	
	ST17420001	Chain stopper	All			2	
	ST19320000	Oil filter wrench	All			1	
	ST1651S000 ├ ST16511000 └ ST16512001	Crankshaft main bearing cup puller Puller body Adapter	All			 3 2	
	ST13030001	Piston pin press stand	All			2	
	ST12070000	Valve lifter	All			5	
	ST1103S000 ├ ST11031000 ├ ST11032000 └ ST11033000	Valve guide reamer set Reamer [12.2 mm (0.480 in) dia.] Reamer [8.0 mm (0.3150 in) dia.] Drift	All			3	
	ST11650001	Valve seat cutter set	All			2	
	ST15310000	Crankshaft rear oil seal drift	All			2	
	EM03470000	Piston ring compressor	All			2	
	ST1524S000 ├ ST15241000 ├ ST15242000 └ ST15243000	Front oil seal drift set Drift (press in) Drift (press out) Drift bar	All			2	
	ST10640001	Pivot adjuster	All			1	
	ST16610001	Pilot bushing puller	All			5	
	ST07010000	Engine carrier	All				

2. Chassis & Body Tool

No.	Tool number	Tool name	Applied car or unit	Set '75 S30NA KV00100500	Newly added	Class	Remarks
1.	CLUTCH						
	ST16610001	Pilot bushing puller	All	×		4	
	ST20050010	Clutch assembly base plate	All	×		4	
	ST20050051	Set bolt	All	×		4	
	ST20050100	Clutch assembly distance piece	All	×		4	
	ST20050220	Height gauge	All	×		4	
	ST20050240	Diaphragm spring adjusting wrench	All	×		4	
	ST20630000	Clutch aligning bar	All	×		2	
	GG94310000	Brake pipe torque wrench	All	×		2	
2.	MANUAL TRANSMISSION						
	ST22360001	Drift C	All	×		2	
	ST22460001	Mainshaft overdrive bearing puller	All	×		2	
	ST23540000	Fork rod pin punch	All	×		2	
	ST23800000	Transmission adapter	All	×		2	
	ST23810001	Setting plate adapter	All	×		2	
	ST23840000	Expander	All	×		5	
	ST23860000	Counter gear drift	All	×		2	
	ST23870000	Transmission press stand	All	×		2	
	ST3003S000	Drive pinion bearing replacer	All	×		2	
3.	DIFFERENTIAL CARRIER						
	ST06270002	Gear carrier attachment	All	×		5	
	ST23550001	Solid punch	All	×		2	
	ST30611000	Drive pinion outer race drift bar set	All	×		2	
	├ ST30613000	Adapter (for Front)					
	└ ST30621000	Adapter (for Rear)					
	ST3090S000	Drive pinion rear bearing inner race puller set	All	×		2	
	├ ST30031000	Puller					
	└ ST30901000	Base					
	ST3127S000	Preload gauge	All	×		2	
	├ GG91030000	Torque wrench					
	├ HT62940000	Socket adapter (1/4" 凹 × 3/8" 凸)					
	└ HT62900000	Socket adapter (3/8" 凹 × 1/2" 凸)					
	ST31530000	Drive pinion flange wrench	All	×		2	
	ST3306S001	Diff. side bearing puller set	All	×		2	
	├ ST33051001	Body					
	└ ST33061000	Adapter					
	ST33290001	Gear carrier oil seal puller	All	×		5	

No.	Tool number	Tool name	Applied car or unit	Set '75 S30NA KV00100500	Newly added	Class	Remarks
	KV381001S0 ├ KV38100110 ├ KV38100120 ├ KV38100130 └ KV38100140	Drive pinion setting gauge set ├ Dummy shaft ├ Height gauge ├ Collar └ Stopper	All	×		2	
	KV38100200	Gear carrier side oil seal drift	All	×		2	
	KV38100300	Diff. side bearing drift	All	×		2	
	KV38100401	Pilot bearing drift	All	×		2	
	KV38100500	Gear carrier front oil seal drift	All	×		2	
	KV38100600	Side bearing spacer drift	All	×		2	
	HT72400000	Slide hammer					
4.	FRONT AXLE AND SUSPENSION						
	ST35300000	Front wheel bearing drift	All	×		3	
	KV40100800	Gland packing wrench	All	×		2	
	ST35540000	Gland packing guide	All	×		2	
	ST3565S000	Coil spring compressor set	All	×		2	
	ST36710000	Front transverse link bushing replacer	All	×		3	
5.	REAR AXLE AND SUSPENSION						
	ST07640000	Rear axle stand	All	×		2	
	ST33260000	Differential mounting member insulator drift set	All	×		3	
	ST36230000	Sliding hammer	All	×		5	
	ST37780000	Rear axle shaft outer bearing drift	All	×		5	
	ST38300000	Drive shaft snap ring plier	All	×		5	
	ST38800000	Rear transverse link bushing replacer	All	×		3	
6.	STEERING						
	ST27180001	Steering wheel puller	All	×		2	
	ST28750000	Steering ball joint puller	All	×		2	
7.	BRAKE						
	ST08090000	Press fit tool	All	×		3	For 228.6 mm (9 in) Master-Vac
	ST08060000	Press fit tool	All	×		3	For 190.5 mm (7.5 in) Master-Vac
	ST08080000	Master-Vac wrench set	All	×		3	
	GG94310000	Brake pipe torque wrench	All	×		2	

3. Automatic Transmission Tool

No.	Tool number	Tool name	Applied car or unit	Set 3N71B KV00101000	Newly added	Class	Remarks
	ST2505S001	Oil pressure gauge set	All	×		1	
	ST07870000	Transmission case stand	All	×		3	
	ST25850000	Sliding hammers	All	×		3	
	ST25420001	Clutch spring compressor	All	×		3	
	GG91060000	Torque wrench	All	×		3	
	ST25490000	Socket extension	All	×		3	
	ST25160000	Torque driver	All	×		3	
	HT69860000	Snap ring remover	All	×		3	
	ST25320001	Snap ring remover	All	×		3	
	ST25570001	Hex. head extension	All	×		3	
	HT62350000	Spinner handle	All	×		6	
	HT61000800	Hexagon wrench	All	×		3	
	ST25580000	Oil pump assembling gauge	All	×		3	

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