SERVICE MANUAL

DATSUN 280Z
MODEL S30 SERIES

NISSAN

NISSAN MOTOR CO., LTD.
TOKYO, JAPAN

SECTION SE

SERVICE EQUIPMENT

SERVICE EQUIPMENT ..... SE- 2

SERVICE EQUIPMENT

GENERAL DESCRIPTION

GENERAL SPECIFICATIONS

Special Tools play an 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 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 classify tools or equipments as:

KV00000000 : ST00000000 :	Special Tool
EM00000000 :	Engine Overhauling Machine
EG000OOO00 :	Engine Service for Gasoline
GGOOOOOOOO:	General Gauge
HTOOOOOOOO:	Hand Tool

TOOL LIST

No.	Tool number	Tool name	Reference
1.	ENGINE		
	ST0501S000	Engine stand assembly	
	├- ST05011000	Engine stand	
	└- ST05012000	Base	
	ST05340000	Engine attachment	
	STl6540000	Crank pulley puller •	
	ST10120000	Cylinder head bolt wrench	
	STl 7420001	Chain stopper	
	ST19320000	Oil filter wrench	
	ST1651S000	Crankshaft main bearing cup puller	
	├- ST16511000	Puller body	
	└- STl6512001	Adapter	
	STl3030001	Piston pin press stand	
	STl2070000	Valve lifter	
	ST1103S000	Valve guide reamer set	
	├- STl1031000	Reamer [12.2 mm (0.480 in) dia.]	
	├- STl1032000	Reamer [8.0 mm (0.3150 in) dia.]	
	└- STl 1033000	Drift	

No.	Tool number	Tool name	Reference
	STl1650001	Valve seat cutter set	
	ST15310000	Crankshaft rear oil seal drift	
	EM03470000	Piston ring compressor	
	ST1524S000	Front oil seal drift set	
	├- STl5241000	Drift (press in)	
	├- STl5242000	Drift (press out)	
	└- STl 5243000	Drift bar	
	ST10640001	Pivot adjuster	
	STl6610001	Pilot bush puller	
	ST07010000	Engine carrier	
2.	CLUTCH		
	ST16610001	Pilot bush puller	
	ST20050010	Clutch assembly base plate	
	ST20050051	Set bolt	
	ST20050100	Clutch assembly distance piece	
	ST20050220	Height gauge	
	ST20050240	Diaphragm spring adjusting wrench	
	ST20630000	Clutch aligning bar	
	GG94310000	Brake pipe torque wrench	
3.	MANUAL TRANSMISSION		
	ST22360001	Drift C	
	ST22460(1	Mainshaft overdrive bearing puller	
	ST23540000	Fork rod pin punch	
	ST23800000	Transmission adapter	
	ST23810001	Setting plate adapter	
	ST23840000	Expander	
	ST23860000	Counter gear drift	
	ST23870000	Transmission press stand	
	ST3003S000	Drive pinion bearing replacer	
4.	AUTOMATIC TRANSMISSION		
	ST25050001	Oil pressure gauge set	
	ST07870000	Transmission case stand	
	ST25850000	Sliding hammers	
	ST25420001	Clutch spring compressor	
	GG93010000	Torque wrench	
	ST25512001	Socket extension	
	ST25160000	Torque driver	
	HT69860000	Snap ring remover	
	ST25320001	Snap ring remover	

No.	Tool number	Tool name	Reference
	ST25570000	Hex. head extension	
	HT62350000	Spinner handle	
	HT61000800	Hexagon wrench	
	ST25580000	Oil pump assembling gauge	
5.	DIFFERENTIAL CARRIER		
	ST06270002	Gear carrier attachment	
	ST23550001	Solid punch	
	ST30611000	Drive pinion outer race drift bar set	
	├- ST30613000	Adapter (for Front)	
	└- ST30621000	Adapter (for Rear)	
	ST3090S000	Drive pinion rear bearing inner race puller set	
	├- ST30031000	Puller	
	└- ST30901000	Base	
	ST3127S000	Preload gauge	
	├- GG91030000	Torque wrench	
	├- HT62940000	Socket adapter (X" l x ^" f t)	
	└- HT62900000	Socket adapter (K" H xK " *a)*	
	ST31530000	Drive pinion flange wrench	
	ST3306S001	Diff. side bearing puller set	
	├- ST33051001	Body	
	└- ST33061000	Adapter	
	ST33290001	Gear carrier oil seal puller	
	KV381001S0	Drive pinion setting gauge set	
	├- KV38100110	├- Dummy shaft	
	├- KV38100120	├- Height gauge	
	├- KV38100130	├- Collar	
	└- KV38100140	└- Stopper	
	KV38100200	Gear carrier side oil seal drift	
	KV38100300	Diff. side bearing drift	
	KV38100401	Pilot bearing drift	
	KV38100500	Gear carrier front oil seal drift	
	KV38100600	Side bearing spacer drift	
	HT72400000	Slide hammer	
6.	FRONT AXLE AND SUSPENSION		
	ST35300000	Front wheel bearing drift	
	KV40100800	Gland packing wrench	
	ST35540000	Gland packing guide	

No.	Tool number	Tool name	Reference
	ST3565S000	Coil spring compressor set	
	ST36710000	Front transverse link bushing replacer	
7.	REAR AXLE AND SUSPENSION		
	ST07640000	Rear axle stand	
	ST33260000	Differential mounting member insulator drift set	
	ST36230000	Sliding hammer	
	ST37780000	Rear axle shaft outer bearing drift	
	ST38300000	Drive shaft snap ring plier	
	ST38800000	Rear transverse link bushing replacer	
8.	STEERING		
	ST27180001	Steering wheel puller	
	ST27850000	Steering ball joint puller	
9.	BRAKE		
	ST08090000	Press fit tool	for 9 in Master-Vac
	ST08060000	Press fit tool	for 7.5 in Master-Vac
	ST08080000	Master-Vac wrench set	
	GG94310000	Brake pipe torque wrench	