

SECTION SE

**SERVICE
EQUIPMENT**

**DATSUN 280Z
MODEL S30 SERIES**



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

SERVICE EQUIPMENT SE- 2

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	Engine stand assembly	All		5	
	└ ST05011000	Engine stand				
	└ ST05012000	Base				
	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	Crankshaft main bearing cup puller	All			
	└ ST16511000	Puller body			3	
	└ ST16512001	Adapter			2	
	ST13030001	Piston pin press stand	All		2	
	ST12070000	Valve lifter	All		5	
	ST1103S000	Valve guide reamer set	All		3	
	└ ST11031000	Reamer [12.2 mm (0.480 in) dia.]				
	└ ST11032000	Reamer [8.0 mm (0.3150 in) dia.]				
	└ ST11033000	Drift				
	ST11650001	Valve seat cutter set	All		2	
	ST15310000	Crankshaft rear oil seal drift	All		2	
	EM03470000	Piston ring compressor	All		2	
	ST1524S000	Front oil seal drift set	All		2	
	└ ST15241000	Drift (press in)				
	└ ST15242000	Drift (press out)				
	└ ST15243000	Drift bar				
	ST10640001	Pivot adjuster	All		1	
	ST16610001	Pilot bushing puller	All		5	
	ST07010000	Engine carrier	All			

Service Equipment

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	X		4		
	ST20050010	Clutch assembly base plate	All	X		4		
	ST20050051	Set bolt	All	X		4		
	ST20050100	Clutch assembly distance piece	All	X		4		
	ST20050220	Height gauge	All	X		4		
	ST20050240	Diaphragm spring adjusting wrench	All	X		4		
	ST20630000	Clutch aligning bar	All	X		2		
	GG94310000	Brake pipe torque wrench	All	X		2		
	2.	MANUAL TRANSMISSION						
		ST22360001	Drift C	All	X		2	
ST22460001		Mainshaft overdrive bearing puller	All	X		2		
ST23540000		Fork rod pin punch	All	X		2		
ST23800000		Transmission adapter	All	X		2		
ST23810001		Setting plate adapter	All	X		2		
ST23840000		Expander	All	X		5		
ST23860000		Counter gear drift	All	X		2		
ST23870000		Transmission press stand	All	X		2		
ST30035000		Drive pinion bearing replacer	All	X		2		
3.		DIFFERENTIAL CARRIER						
		ST06270002	Gear carrier attachment	All	X		5	
		ST23550001	Solid punch	All	X		2	
		ST30611000	Drive pinion outer race drift bar set	All	X		2	
	— ST30613000	Adapter (for Front)						
	— ST30621000	Adapter (for Rear)						
	ST30905000	Drive pinion rear bearing inner race puller set	All	X		2		
	— ST30031000	Puller						
	— ST30901000	Base						
	ST31275000	Preload gauge	All	X		2		
	— GG91030000	Torque wrench						
	— HT62940000	Socket adapter (1/4" ㉑ × 3/8" ㉑)						
	— HT62900000	Socket adapter (3/8" ㉑ × 1/2" ㉑)						
	ST31530000	Drive pinion flange wrench	All	X		2		
	ST33065001	Diff. side bearing puller set	All	X		2		
— ST33051001	Body							
— ST33061000	Adapter							
ST33290001	Gear carrier oil seal puller	All	X		5			

Service Equipment

No.	Tool number	Tool name	Applied car or unit	Set '75 S30NA KV00100500	Newly added	Class	Remarks
	KV38100150 — KV38100110 — KV38100120 — KV38100130 — KV38100140	Drive pinion setting gauge set — Dummy shaft — Height gauge — Collar — Stopper	All	X		2	
	KV38100200	Gear carrier side oil seal drift	All	X		2	
	KV38100300	Diff. side bearing drift	All	X		2	
	KV38100401	Pilot bearing drift	All	X		2	
	KV38100500	Gear carrier front oil seal drift	All	X		2	
	KV38100600	Side bearing spacer drift	All	X		2	
	HT72400000	Slide hammer					
4.	FRONT AXLE AND SUSPENSION						
	ST35300000	Front wheel bearing drift	All	X		3	
	KV40100800	Gland packing wrench	All	X		2	
	ST35540000	Gland packing guide	All	X		2	
	ST35655000	Coil spring compressor set	All	X		2	
	ST36710000	Front transverse link bushing replacer	All	X		3	
5.	REAR AXLE AND SUSPENSION						
	ST07640000	Rear axle stand	All	X		2	
	ST33260000	Differential mounting member insulator drift set	All	X		3	
	ST36230000	Sliding hammer	All	X		5	
	ST37780000	Rear axle shaft outer bearing drift	All	X		5	
	ST38300000	Drive shaft snap ring plier	All	X		5	
	ST38800000	Rear transverse link bushing replacer	All	X		3	
6.	STEERING						
	ST27180001	Steering wheel puller	All	X		2	
	ST28750000	Steering ball joint puller	All	X		2	
7.	BRAKE						
	ST08090000	Press fit tool	All	X		3	For 228.6 mm (9 in) Master-Vac
	ST08060000	Press fit tool	All	X		3	For 190.5 mm (7.5 in) Master-Vac
	ST08080000	Master-Vac wrench set	All	X		3	
	GG94310000	Brake pipe torque wrench	All	X		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	X		1	
	ST07870000	Transmission case stand	All	X		3	
	ST25850000	Sliding hammers	All	X		3	
	ST25420001	Clutch spring compressor	All	X		3	
	GG91060000	Torque wrench	All	X		3	
	ST25490000	Socket extension	All	X		3	
	ST25160000	Torque driver	All	X		3	
	HT69860000	Snap ring remover	All	X		3	
	ST25320001	Snap ring remover	All	X		3	
	ST25570001	Hex. head extension	All	X		3	
	HT62350000	Spinner handle	All	X		6	
	HT61000800	Hexagon wrench	All	X		3	
	ST25580000	Oil pump assembling gauge	All	X		3	



509 Debby Lane
Adamsville, AL 35005
<http://www.zcarcreations.com>
cborden@zcarcreations.com

NISSAN FACTORY SERVICE MANUAL CDROM END-USER LICENSE AGREEMENT

NOTICE TO USER: THIS IS A CONTRACT. BY PURCHASING AND USING THE SERVICE MANUAL ON CDROM, YOU ACCEPT ALL THE TERMS AND CONDITIONS OF THIS AGREEMENT.

This End User License Agreement accompanies the Service Manual on CDROM product and related explanatory materials. Please read this Agreement carefully. By purchasing and using the Service Manual on CDROM, you are implying that you have carefully read, agree with, and will adhere to the conditions set forth in this agreement. If you do not wish to accept the terms of this End User Agreement please do not use the Service Manual on CDROM. You will not be permitted to use the Service Manual on CDROM without consenting to this end user agreement.

Upon your acceptance of this Agreement, Z Car Creations, LLC grants to you a nonexclusive license to use the Service Manual on CDROM, provided that you agree to the following:

USE OF SOFTWARE

You may install the contents of the CD on a hard disk or other storage device for personal use only. Each Service Manual on CDROM comes with a single user license. Under no circumstances should the contents of the Service Manual CDROM be placed on a server for purposes of distributing or allowing access to the material over a network.

COPYRIGHT AND TRADEMARK RIGHTS

The Service Manual CDROM is owned by Z Car Creations, LLC and its structure and organization, all graphics and coding are considered intellectual property of Z Car Creations, LLC. The manual content itself is property of Nissan Motors. The Service Manual on CDROM is also protected by United States Copyright Law and International Treaty provisions. This Agreement does not grant you any intellectual property or resale rights to the Service Manual CDROM.

RESTRICTIONS

You agree not to modify, adapt, translate, reverse engineer, decompile or disassemble the PDF file on the Service Manual CDROM. The Service Manual on CDROM is licensed and distributed by Z Car Creations, LLC for single user utilization of its contents only. Licensed users will be permitted to use the contents of the Service Manual CDROM for multimedia presentation to an audience from a single machine using a large display or projection device but the Service Manual CDROM may not otherwise be distributed, sold to or made accessible to multiple users.

NO WARRANTY

The software is being delivered to you AS IS and Z Car Creations, LLC makes no warranty as to its use or performance. Z CAR CREATIONS, LLC DOES NOT AND CANNOT WARRANT THE PERFORMANCE OR RESULTS YOU MAY OBTAIN BY USING THE SERVICE MANUAL CDROM OR DOCUMENTATION, NOR MAKES ANY WARRANTIES, EXPRESS OR IMPLIED, AS TO NONINFRINGEMENT OF THIRD-PARTY RIGHTS, MERCHANTABILITY, OR FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT WILL Z CAR CREATIONS, LLC BE LIABLE TO YOU FOR ANY CONSEQUENTIAL, INCIDENTAL, OR SPECIAL DAMAGES FOR ANY REASON.



509 Debby Lane
Adamsville, AL 35005
<http://www.zcarcreations.com>
cborden@zcarcreations.com

GOVERNING LAW AND GENERAL PROVISIONS

This Agreement will be governed by the laws of the State of Alabama, USA, excluding the application of its conflicts of law rules. This Agreement will not be governed by the United Nations Convention on Contracts for the International Sale of Goods, the application of which is expressly excluded. If any part of this Agreement is found void and unenforceable, it will not affect the validity of the balance of the Agreement, which shall remain valid and enforceable according to its terms. You agree that the Service Manual on CDROM will not be shipped, transferred or exported into any country or used in any manner prohibited by the United States Export Administration act or any other export laws, restrictions or regulations. This Agreement shall automatically terminate upon failure by you to comply with its terms. This Agreement may only be modified in writing signed by and authorized officer for Z Car Creations, LLC.

Craig Borden
Z Car Creations, LLC
509 Debby Lane
Adamsville, AL 35005
USA

YOUR ACCEPTANCE OF THE FOREGOING AGREEMENT IS IMPLIED UPON PURCHASING AND USING THE SERVICE MANUAL CDROM.