

SERVICE MANUAL

**DATSUN 240Z SPORTS
MODEL S30 SERIES
CHASSIS & BODY**



NISSAN MOTOR CO., LTD.
TOKYO, JAPAN

SECTION SE

SERVICE EQUIPMENT

SPECIAL SERVICE TOOLSE- 1

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SERVICE EQUIPMENT

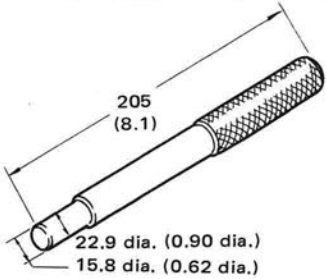
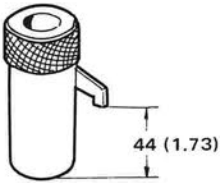
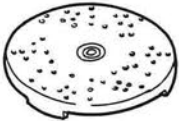
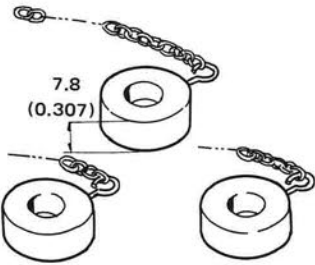
SPECIAL SERVICE TOOL

Tool number (Former tool number) Tool name	Figure mm (inch)	Description	S30 special service tool set	S10 special service tool set	Applied model	S.M. refer- ence page (See Fig. No.)
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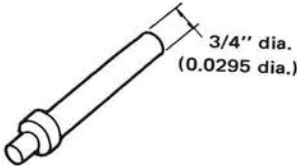
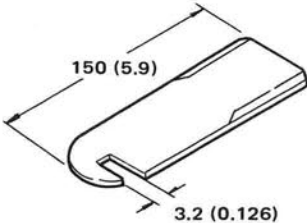
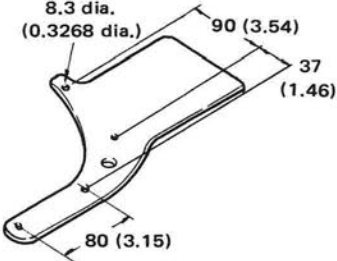
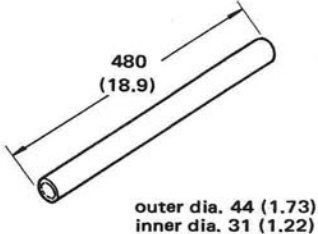
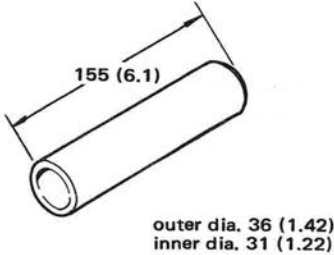
Clutch and transmission

S30 special service tool set number ST09290000

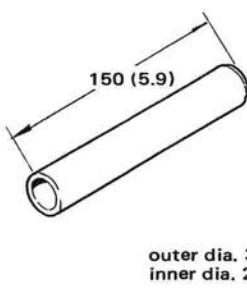
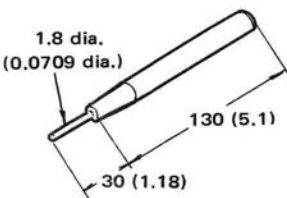
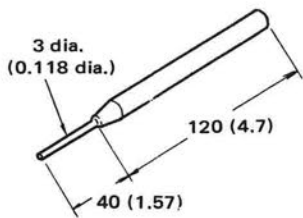
S10 special service tool set number ST09110000

ST20630000 (ST44450000) Clutch aligning bar		For centering the clutch disk			130 HA30 521	Fig. CL-14
ST20240000 Height gauge		For measuring the diaphragm spring height (Use with the distance piece)	●		New	Fig. CL-6
ST20051000 Clutch assembly base plate		For measuring the diaphragm spring height (Use with the distance piece)			130 S30 510 521 4W73 60 41 C240 C80	Fig. CL-5
ST20058001 Clutch assembly distance piece		For measuring the diaphragm spring height (Use with the base plate)			510 521	Fig. CL-5

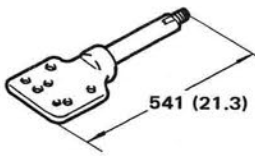
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Tool number (Former tool number) Tool name	Figure mm (inch)	Description	S30 special service tool set	S10 special service tool set	Applied model	S.M. refer- ence page (See Fig. No.)
ST20052000 Clutch assembly center pole		For measuring the dia- phragm spring height (Use with the height gauge)			130 C30 510 521 4W73 60 41 C240 C80	Fig. CL-6
ST20500000 (ST49400000) Diaphragm adjust wrench		For measuring the dia- phragm spring height			HA30 C30 C10 510 SP(R)	Fig. CL-7
ST23810000 (ST44250000) Setting plate adaptor		Setting plate of the transmission gear	●		130 HA30 SP(R)	Fig. TM-11
ST23800000 (ST43920000) Transmission adaptor		For assembly of the main drive gear	●		130	Fig. TM-39
ST30600000 (ST43770000) Drift B		For assembly of the counter drive gear	●		130 HA30 SP(R) B10	Fig. TM-40 Fig. TM-47

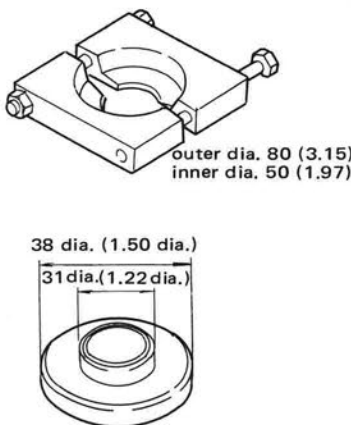
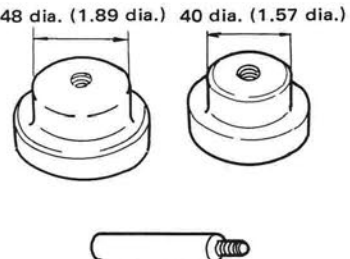
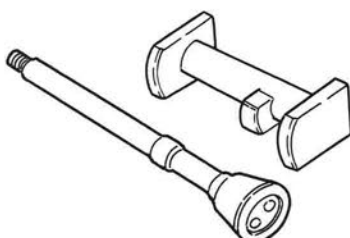
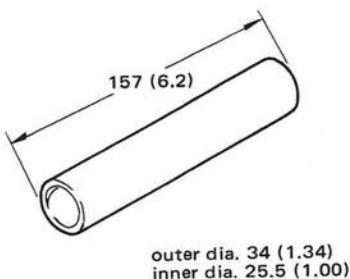
SERVICE EQUIPMENT

Tool number (Former tool number) Tool name	Figure mm (inch)	Description	S30 special service tool set	S10 special service tool set	Applied model	S.M. refer- ence page (See Fig. No.)
ST22360000 (ST43910000) Drift C	 outer dia. 30 (1.18) inner dia. 21 (0.83)	For assembly of the counter bearing	●		130 HA30 SP(R)	Fig. TM-60
ST23530000 Solid punch	 1.8 dia. (0.0709 dia.) 130 (5.1) 30 (1.18)	For removal of the con- trol arm retaining pin	●		SP(R)	Fig. TM-64
ST23500000 (ST44260000) Fork rod pin punch	 3 dia. (0.118 dia.) 120 (4.7) 40 (1.57)	For removal of the fork rod retaining pin	●		130 HA30 SP(R)	Fig. TM-11

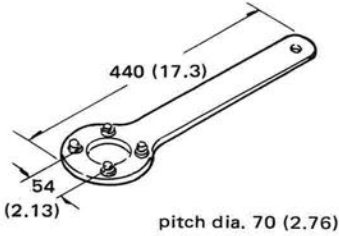
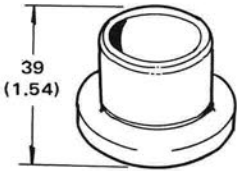
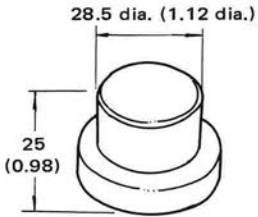
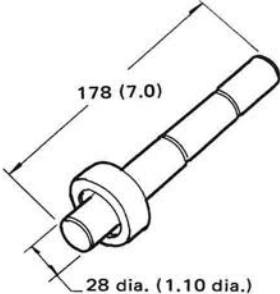
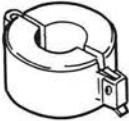
Differential carrier

ST06270000 (ST37400510) Gear carrier, strut, gear box attachment	 541 (21.3)	Setting tool of gear carrier (Use with engine stand)			510 C10 C30	Fig. PD-3
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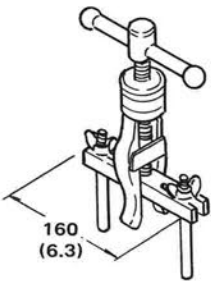
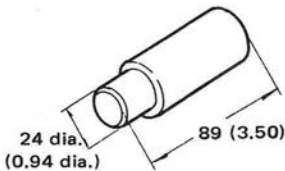
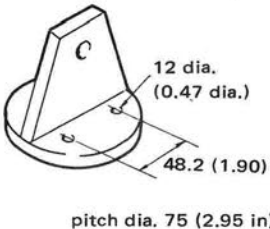
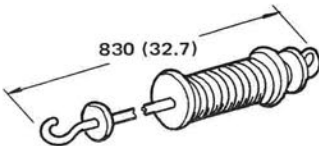
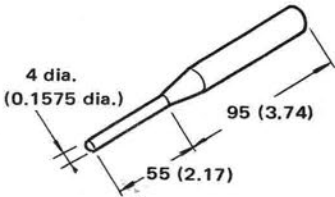
CHASSIS

Tool number (Former tool number) Tool name	Figure mm (inch)	Description	S30 special service tool set	S10 special service tool set	Applied model	S.M. refer- ence page (See Fig. No.)
ST30030000 (ST49280000) Drive pinion rear bearing inner bear- ing replacer set		For assembly and disas- sembly of the drive pinion bearing inner race		○	510 C10 C30 521	Fig. TM-21 Fig. TM-23 Fig. TM-24 Fig. PD-9 Fig. PD-20
ST30610000 (ST49290000) Drive pinion outer race drift kit		For assembly of the drive pinion bearing outer race			510 C30	Fig. PD-10
ST31210000 (ST49300000) Gear carrier height gauge assembly		For height adjustment of the drive pinion		○	510	Fig. PD-19 Fig. PD-21
ST31500000 (ST49310000) Drive pinion collar		Dummy shaft for measure of the drive pinion pre- load (Use with gear carrier height gauge)		○	510 C30	Fig. PD-21

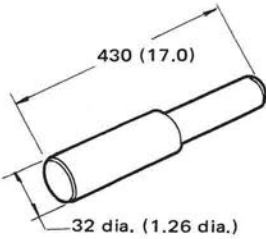
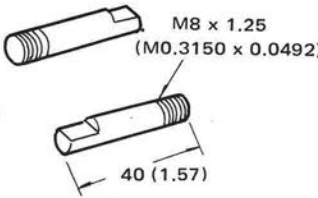
SERVICE EQUIPMENT

Tool number (Former tool number) Tool name	Figure mm (inch)	Description	S30 special service tool set	S10 special service tool set	Applied model	S.M. refer- ence page (See Fig. No.)
ST31530000 (ST47340000) Drive pinion flange wrench		For removal of the drive pinion nut			130 HA30 C30 C10 510 521	Fig. PD-7
ST31850000 (ST49660000) Dummy spacer		Dummy shaft for height adjustment of the drive pinion	●		C30	Fig. PD-21
ST33012000 (ST46862000) Adaptor		For disassembly of the side bearing		○	510 C30	Fig. PD-11
ST33230000 (ST49260000) Gear carrier side bearing drift		For assembly of the side bearing			510 C30	Fig. PD-17
ST33270000 (ST49320000) Gear carrier oil seal drift		For assembly of the oil seal		○	510 C30	Fig. PD-14

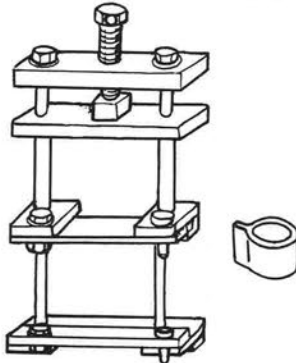
CHASSIS

Tool number (Former tool number) Tool name	Figure mm (inch)	Description	S30 special service tool set	510 special service tool set	Applied model	S.M. refer- ence page (See Fig. No.)
ST33290000 (ST49240000) Gear carrier oil seal puller	 160 (6.3)	For disassembly of the oil seal		○	510 C30	Fig. PD-6
ST33710000 (ST49230000) Gear carrier side retainer attachment	 24 dia. (0.94 dia.) 89 (3.50)	For disassembly of the side retainer		○	510 C30	Fig. PD-5
ST33730000 (ST49250000) Gear carrier side flange stand	 12 dia. (0.47 dia.) 48.2 (1.90) pitch dia. 75 (2.95 in)	For removal of the side flange (Use with sliding hammer)		○	510 C30	Fig. PD-4
ST36230000 (ST46780000) Sliding hammer	 830 (32.7)	Sliding hammer use with rear axle stand or side flange stand			All	Fig. PD-4 Fig. RA-22
ST23510000 (ST49270000) Differential locking pin punch	 4 dia. (0.1575 dia.) 95 (3.74) 55 (2.17)	For removal of pinion mate shaft lock pin		○	510 C10 C30	Fig. PD-12

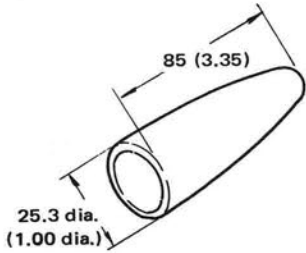
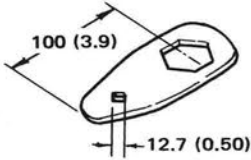
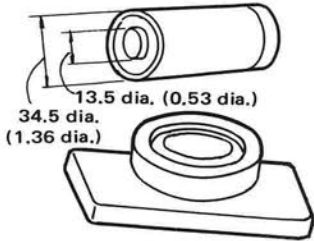
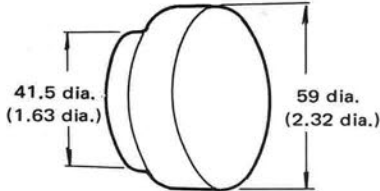
SERVICE EQUIPMENT

Tool number (Former tool number) Tool name	Figure mm (inch)	Description	S30 special service tool set	S10 special service tool set	Applied model	S.M. refer- ence page (See Fig. No.)
ST30650000 Pilot bearing drift		For disassembly of the pilot bearing	●		New	Fig. PD-8
ST33252000 (DT-49942000) Adaptor		For assembly of the front oil seal	●		New	Fig. PD-13
ST33720000 (DT-4933) Side retainer guide		The guide pin for assem- bly of the side retainer		○	New	Fig. PD-25

Front axle and suspension

ST35650000 Coil spring compressor set		For assembly and disas- sembly of the coil spring coil spring max. dia, 165 (6.5) stroke 50 to 239 (1.97 to 9.4)	●		New 510 C30 C10	Fig. FA-30
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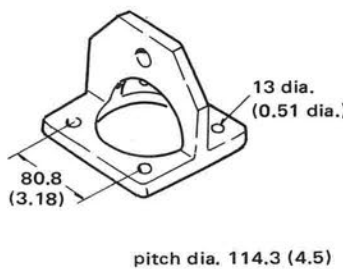
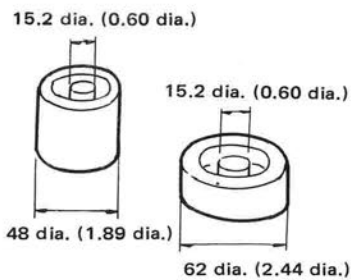
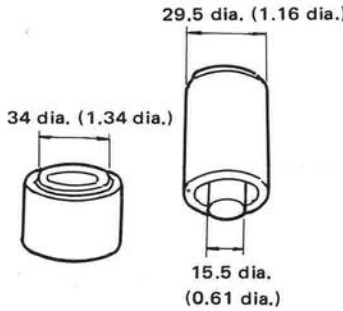
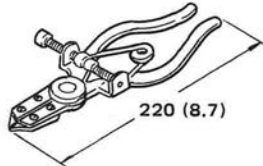
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Tool number (Former tool number) Tool name	Figure mm (inch)	Description	S30 special service tool set	S10 special service tool set	Applied model	S.M. refer- ence page (See Fig. No.)
ST35540000 Gland packing guide		For assembly of the gland packing	●		New	Fig. FA-35
ST35500000 (ST4913A000) Gland packing wrench	 width across flats; 55 (2.17)	For tightening grand packing		○	510 C10 C30	Fig. FA-31 Fig. FA-37
ST36710000 Front transverse link bushing replacer		For assembly and disas- sembly	●		New	Fig. FA-46
ST35300000 Front wheel bearing drift		For assembly of the front wheel bearing	●		New	Fig. FA-19

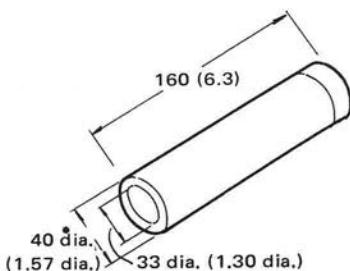
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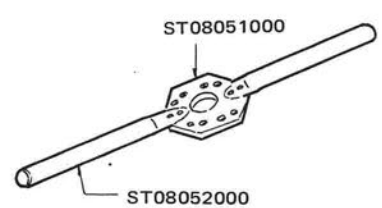
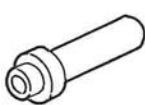
Rear axle and suspension

ST07640000 (ST46790000) Rear axle stand		For removal of the rear axle shaft (Use with sliding hammer)			510 C10 C30 B10	Fig. RA-21 Fig. RA-22
ST33260000 (ST49150000) Differential mounting member insulator drift set		For assembly and disassembly of the differential mounting member insulator		○	510 C30	Fig. RA-6
ST38800000 Rear transverse link bushing replacer		For assembly and disassembly of the rear transverse link bushing	●		New	Fig. RA-5
ST38300000 (ST49210000) Drive shaft snap ring plier		For removal of the drive shaft snap ring		○	510 C30	Page RA-11

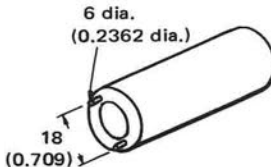
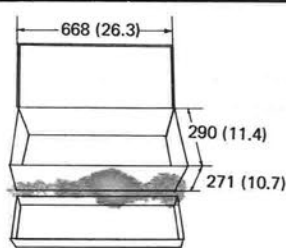
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Tool number (Former tool number) Tool name	Figure mm (inch)	Description	S30 special service tool set	S10 special service tool set	Applied model	S.M. refer- ence page (See Fig. No.)
ST37780000 Rear axle shaft outer bearing drift		For assembly of the rear wheel bearing (outer side)	●		New	Page RA-10

Master - Vac.

ST08050000 Master-vac. wrench set		For disassembly of the master-vac.	●		C30	Fig. BR-45
ST08060000 Press fit tool		For assembly of the front oil seal retainer	●		C30	Fig. BR-53

Body electrical

Tumbler switch replacer		For assembly and disas- sembly of the tumbler switch	●			Fig. BE-35
		Tool box for special service tool set	●			

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