# SERVICE MANUAL

DATSUN 240Z SPORTS
MODEL S30 SERIES

**CHASSIS & BODY**






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

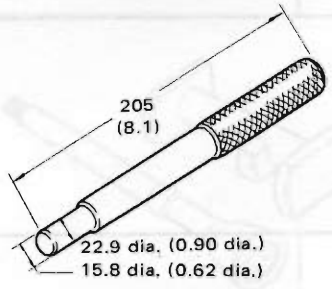
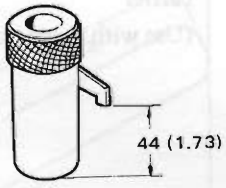
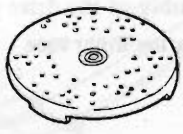
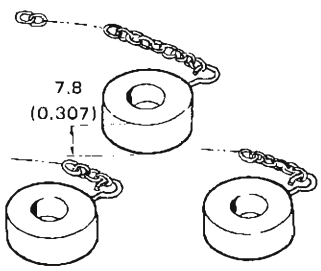
## SECTION SE

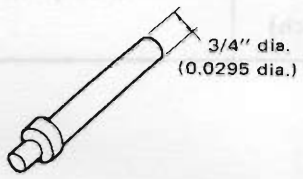
# SERVICE EQUIPMENT

SPECIAL SERVICE TOOL ..... SE- 1

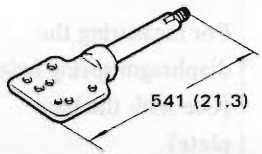
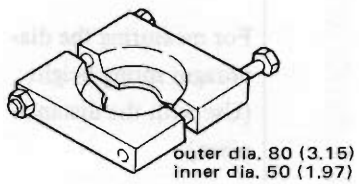
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# SPECIAL SERVICE TOOL

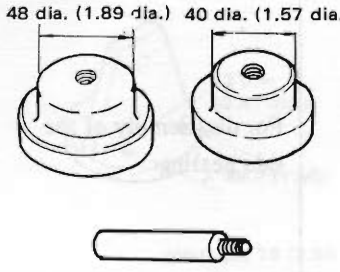
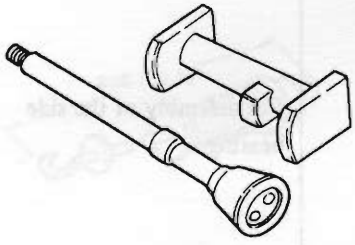
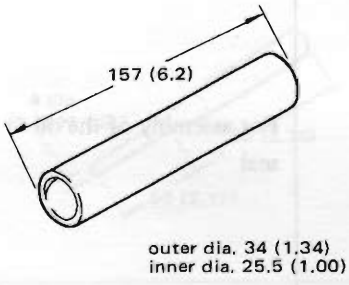
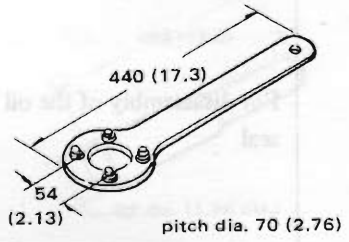
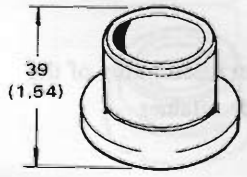
| Tool number (Former tool number) Tool name | Figure mm (inch) | Description | Applied model | S.M. reference page (See Fig. No.) |
|---|---|---|---|---|
| **Clutch** | | | | |
| ST20630000 (ST44450000) Clutch aligning bar |   | For centering the clutch disk | 130 HA30 521 | Fig. CL-13 |
| ST20240000 Height gauge |   | For measuring the diaphragm spring height (Use with the base plate) | | Fig. CL-6 |
| ST20051000 Clutch assembly base plate |  | For measuring the diaphragm spring height (Use with the distance piece) | 130 510 521 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 |

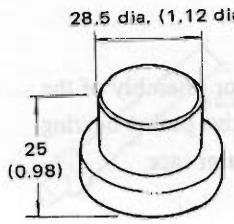
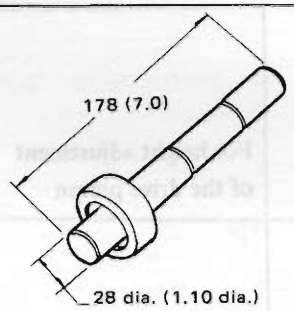
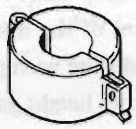
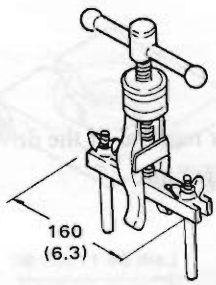
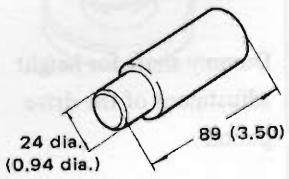
| Tool number (Former tool number) Tool name | Figure mm (inch) | Description | Applied model | S.M. reference page (See Fig. No.) |
|---|---|---|---|---|
| ST20052000<br>Clutch assembly center pole |  | For measuring the diaphragm spring height (Use with the height gauge) | 130<br>C30<br>510<br>521<br>4W73<br>60<br>41<br>C240<br>C80 | Fig. CL-6 |

## Differential carrier

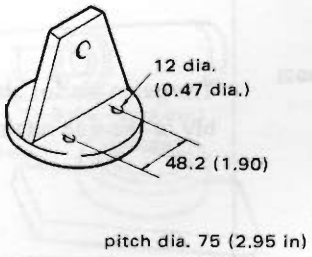
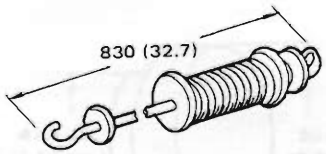
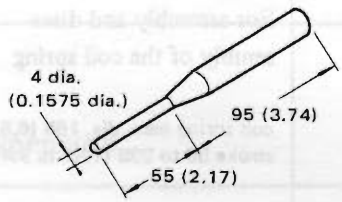
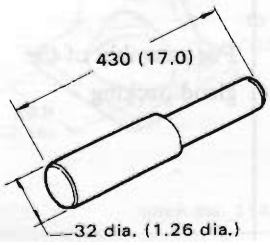
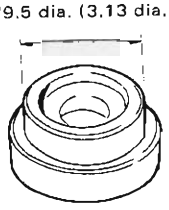
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|---|---|---|---|---|
| ST06270000 (ST37400510)<br>Gear carrier, strut, gear box attachment |  | Setting tool of gear carrier (Use with engine stand) | 510<br>C10<br>C30 | Fig. PD-3 |
| ST30030000 (ST49280000)<br>Drive pinion rear bearing inner bearing replacer set | <br> | For assembly and disassembly of the drive pinion bearing inner race | 510<br>C10<br>C30<br>521 | Fig. PD-9<br>Fig. PD-20 |

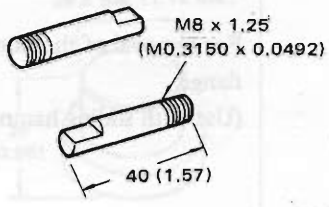
# SERVICE EQUIPMENT

| Tool number (Former tool number) Tool name | Figure mm (inch) | Description | Applied model | S.M. reference page (See Fig. No.) |
|---|---|---|---|---|
| ST30610000 (ST49290000)<br>Drive pinion outer race drift kit |  | For assembly of the drive pinion bearing outer race | 510 | Fig. PD-10 |
| ST31210000 (ST49300000)<br>Gear carrier height gauge assembly |  | For height adjustment of the drive pinion | 510 | Fig. PD-19<br>Fig. PD-21 |
| ST31500000 (ST49310000)<br>Drive pinion collar |  | Dummy shaft for measurement of the drive pinion preload (Use with gear carrier height gauge) | 510<br>C30 | Fig. PD-21 |
| ST31530000 (ST47340000)<br>Drive pinion flange wrench |  | For removal of the drive pinion nut | 130<br>HA30<br>C30<br>C10<br>510<br>521 | Fig. PD-7 |
| ST31850000 (ST49660000)<br>Dummy spacer |  | Dummy shaft for height adjustment of the drive pinion | C30 | Fig. PD-21 |

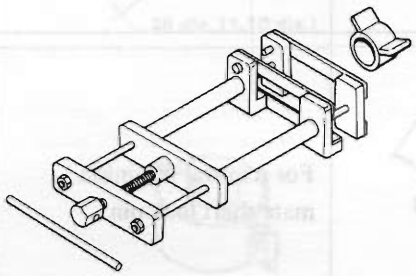
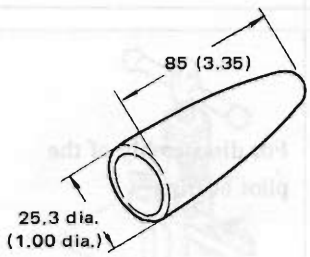
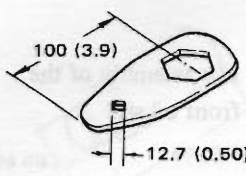
| Tool number (Former tool number) Tool name | Figure mm (inch) | Description | | S.M. reference page (See Fig. No.) |
|---|---|---|---|---|
| ST33012000 (ST46862000) Adaptor |   | For disassembly of the side bearing | 510 C30 | Fig. PD-11 |
| ST33230000 (ST49260000) Gear carrier side bearing drift |   | 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 |
| ST33290000 (ST49240000) Gear carrier oil seal puller |   | For disassembly of the oil seal | 510 C30 | Fig. PD-6 |
| ST33710000 (ST49230000) Gear carrier side retainer attachment |   | For disassembly of the side retainer | 510 C30 | Fig. PD-5 |

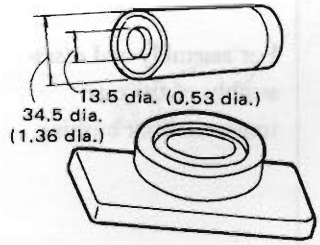
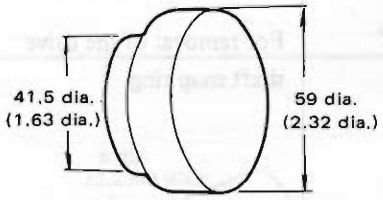
# SERVICE EQUIPMENT

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|---|---|---|---|---|
| ST33730000 (ST49250000)<br>Gear carrier side flange stand |  | For removal of the side flange (Use with sliding hammer) | 510<br>C30 | Fig. PD-4 |
| ST36230000 (ST46780000)<br>Sliding hammer |  | For removing the side flange and rear axle shaft side flange (Use with rear axle stand or side flange stand) | All | Fig. PD-4<br>Fig. RA-22 |
| ST23510000 (ST49270000)<br>Differential locking pin punch |  | For removal of pinion mate shaft lock pin | 510<br>C10<br>C30 | Fig. PD-12 |
| ST30650000<br>Pilot bearing drift |  | For disassembly of the pilot bearing | | Fig. PD-8 |
| ST33252000 (DT-49942000)<br>Adaptor |  | For assembly of the front oil seal | | Fig. PD-13 |

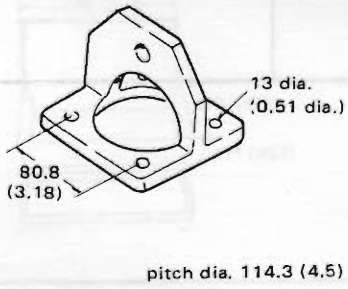
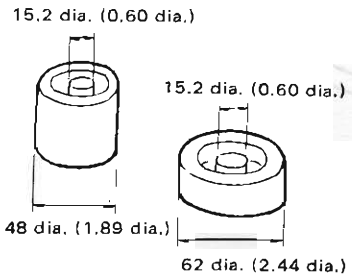
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| ST33720000 (DT-4933) Side retainer guide |   | The guide pin for assembly of the side retainer | | Fig. PD-25 |

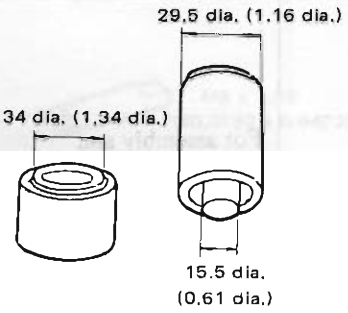
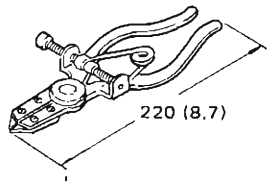
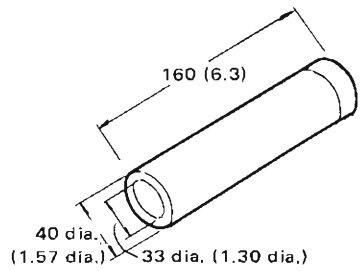
## Front axle and suspension

| | | | | |
|---|---|---|---|---|
| ST35650000 Coil spring compressor set |  | For assembly and disassembly of the coil spring coil spring max. dia. 165 (6.5) stroke 50 to 239 (1.97 to 9.4) | 510 C30 C10 | Fig. FA-30 |
| ST35540000 Gland packing guide |   | For assembly of the gland packing | New | Fig. FA-35 |
| ST35500000 (ST4913A000) Gland packing wrench |   | For tightening gland packing | 510 C10 C30 | Fig. FA-31 Fig. FA-37 |

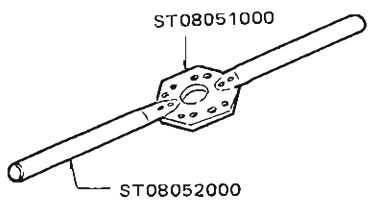
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|---|---|---|---|---|
| ST36710000<br>Front transverse link bushing replacer |  | For assembly and disassembly | New | Fig. FA-46 |
| ST35300000<br>Front wheel bearing drift |  | For assembly of the front wheel bearing | New | Fig. FA-19 |

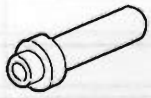
## Rear axle and suspension

| | | | | |
|---|---|---|---|---|
| ST07640000 (ST46790000)<br>Rear axle stand |  | For removal of the rear axle shaft (Use with sliding hammer) | 510<br>C10<br>C30<br>B10 | Fig. RA-21<br>Fig. RA-22 |
| ST33260000 (ST49150000)<br>Differential mounting member insulator drift set |  | For assembly and disassembly of the differential mounting member insulator | 510<br>C30 | Fig. RA-6 |

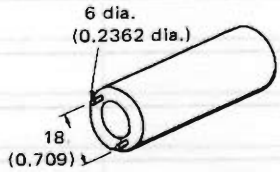
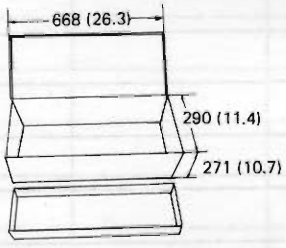
| Tool number (Former tool number) Tool name | Figure mm (inch) | Description | Applied model | S.M. reference page (See Fig. No.) |
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| ST38800000<br>Rear transverse link bushing replacer |  | For assembly and disassembly of the rear transverse link bushing | New | Fig. RA-5 |
| ST38300000 (ST49210000)<br>Drive shaft snap ring plier |  | For removal of the drive shaft snap ring | 510<br>C30 | Page RA-11 |
| ST37780000<br>Rear axle shaft outer bearing drift |  | For assembly of the rear wheel bearing (outer side) | New | Page RA-10 |

## Master - Vac

| | | | | |
|---|---|---|---|---|
| ST08050000<br>Master-Vac wrench set |  | For disassembly of the Master-Vac | C30 | Fig. BR-45 |

| Tool number (Former tool number) Tool name | Figure mm (inch) | Description | Applied model | S.M. reference page (See Fig. No.) |
|---|---|---|---|---|
| ST08060000<br>Press fit tool |  | For assembly of the front oil seal retainer | C30 | Fig. BR-53 |

## Body electrical

| | | | | |
|---|---|---|---|---|
| ST08900000<br>Tumbler switch replacer |  | For assembly and disassembly of the tumbler switch | | Fig. BE-31 |
| |  | Tool box for special service tool set | | |

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