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QUICK REFERENCE INDEX



INFINITI®
G20
MODEL P11 SERIES



INFINITI®

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| | |
|--|------------|
| GENERAL INFORMATION _____ | GI |
| MAINTENANCE _____ | MA |
| ENGINE MECHANICAL _____ | EM |
| ENGINE LUBRICATION & COOLING SYSTEMS _____ | LC |
| ENGINE CONTROL SYSTEM _____ | EC |
| ACCELERATOR CONTROL, FUEL & EXHAUST SYSTEMS _____ | FE |
| CLUTCH _____ | CL |
| MANUAL TRANSAXLE _____ | MT |
| AUTOMATIC TRANSAXLE _____ | AT |
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| FRONT & REAR SUSPENSION _____ | SU |
| BRAKE SYSTEM _____ | BR |
| STEERING SYSTEM _____ | ST |
| RESTRAINT SYSTEM _____ | RS |
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FOREWORD

This manual contains maintenance and repair procedures for the 2000 INFINITI G20.

In order to assure your safety and the efficient functioning of the vehicle, this manual should be read thoroughly. It is especially important that the PRECAUTIONS in the GI section be completely understood before starting any repair task.

All information in this manual is based on the latest product information at the time of publication. The right is reserved to make changes in specifications and methods at any time without notice.

IMPORTANT SAFETY NOTICE

The proper performance of service is essential for both the safety of the technician and the efficient functioning of the vehicle.

The service methods in this Service Manual are described in such a manner that the service may be performed safely and accurately.

Service varies with the procedures used, the skills of the technician and the tools and parts available. Accordingly, anyone using service procedures, tools or parts which are not specifically recommended by INFINITI must first be completely satisfied that neither personal safety nor the vehicle's safety will be jeopardized by the service method selected.



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NISSAN MOTOR CO., LTD.

Overseas Service Department

Tokyo, Japan



PLEASE HELP MAKE THIS SERVICE MANUAL BETTER!

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Your comments are important to INFINITI and will help us to improve our Service Manuals. Use this form to report any issues or comments you may have regarding our Service Manuals. Please print this form and type or write your comments below. Mail or fax to:

Nissan North America, Inc.
Technical Service Information
39001 Sunrise Drive, P.O. Box 9200
Farmington Hills, MI USA 48331
FAX: (248) 488-3910

SERVICE MANUAL: Model:_____ **Year:**_____

PUBLICATION NO. (Please photocopy back cover):_____

VEHICLE INFORMATION VIN:_____ **Production Date:**_____

Please describe any issues or problems in detail:

Page number(s)_____ *Note: Please include a copy of each page, marked with your comments.*

Are the trouble diagnosis procedures logical and easy to use? (circle your answer) YES NO

If no, what page number(s)?_____ *Note: Please include a copy of each page, marked with your comments.*

Please describe the issue or problem in detail:_____

Is the organization of the manual clear and easy to follow? (circle your answer) YES NO

Please comment:_____

What information should be included in INFINITI Service Manuals to better support you in servicing or repairing customer vehicles?

DATE:_____ **YOUR NAME:**_____ **POSITION:**_____

DEALER:_____ **DEALER NO.:**_____ **ADDRESS:**_____

CITY:_____ **STATE/PROV./COUNTRY:**_____ **ZIP/POSTAL CODE:**_____

INCH TO METRIC CONVERSION TABLE

(Rounded-off for automotive use)

| inches | mm | inches | mm |
|--------|--------------|--------|---------------|
| .100 | 2.54 | .610 | 15.49 |
| .110 | 2.79 | .620 | 15.75 |
| .120 | 3.05 | .630 | 16.00 |
| .130 | 3.30 | .640 | 16.26 |
| .140 | 3.56 | .650 | 16.51 |
| .150 | 3.81 | .660 | 16.76 |
| .160 | 4.06 | .670 | 17.02 |
| .170 | 4.32 | .680 | 17.27 |
| .180 | 4.57 | .690 | 17.53 |
| .190 | 4.83 | .700 | 17.78 |
| .200 | 5.08 | .710 | 18.03 |
| .210 | 5.33 | .720 | 18.29 |
| .220 | 5.59 | .730 | 18.54 |
| .230 | 5.84 | .740 | 18.80 |
| .240 | 6.10 | .750 | 19.05 |
| .250 | 6.35 | .760 | 19.30 |
| .260 | 6.60 | .770 | 19.56 |
| .270 | 6.86 | .780 | 19.81 |
| .280 | 7.11 | .790 | 20.07 |
| .290 | 7.37 | .800 | 20.32 |
| .300 | 7.62 | .810 | 20.57 |
| .310 | 7.87 | .820 | 20.83 |
| .320 | 8.13 | .830 | 21.08 |
| .330 | 8.38 | .840 | 21.34 |
| .340 | 8.64 | .850 | 21.59 |
| .350 | 8.89 | .860 | 21.84 |
| .360 | 9.14 | .870 | 22.10 |
| .370 | 9.40 | .880 | 22.35 |
| .380 | 9.65 | .890 | 22.61 |
| .390 | 9.91 | .900 | 22.86 |
| .400 | 10.16 | .910 | 23.11 |
| .410 | 10.41 | .920 | 23.37 |
| .420 | 10.67 | .930 | 23.62 |
| .430 | 10.92 | .940 | 23.88 |
| .440 | 11.18 | .950 | 24.13 |
| .450 | 11.43 | .960 | 24.38 |
| .460 | 11.68 | .970 | 24.64 |
| .470 | 11.94 | .980 | 24.89 |
| .480 | 12.19 | .990 | 25.15 |
| .490 | 12.45 | 1.000 | 25.40 |
| .500 | 12.70 | 2.000 | 50.80 |
| .510 | 12.95 | 3.000 | 76.20 |
| .520 | 13.21 | 4.000 | 101.60 |
| .530 | 13.46 | 5.000 | 127.00 |
| .540 | 13.72 | 6.000 | 152.40 |
| .550 | 13.97 | 7.000 | 177.80 |
| .560 | 14.22 | 8.000 | 203.20 |
| .570 | 14.48 | 9.000 | 228.60 |
| .580 | 14.73 | 10.000 | 254.00 |
| .590 | 14.99 | 20.000 | 508.00 |
| .600 | 15.24 | | |

METRIC TO INCH CONVERSION TABLE

(Rounded-off for automotive use)

| mm | inches | mm | inches |
|-----------|--------|------------|--------|
| 1 | .0394 | 51 | 2.008 |
| 2 | .079 | 52 | 2.047 |
| 3 | .118 | 53 | 2.087 |
| 4 | .157 | 54 | 2.126 |
| 5 | .197 | 55 | 2.165 |
| 6 | .236 | 56 | 2.205 |
| 7 | .276 | 57 | 2.244 |
| 8 | .315 | 58 | 2.283 |
| 9 | .354 | 59 | 2.323 |
| 10 | .394 | 60 | 2.362 |
| 11 | .433 | 61 | 2.402 |
| 12 | .472 | 62 | 2.441 |
| 13 | .512 | 63 | 2.480 |
| 14 | .551 | 64 | 2.520 |
| 15 | .591 | 65 | 2.559 |
| 16 | .630 | 66 | 2.598 |
| 17 | .669 | 67 | 2.638 |
| 18 | .709 | 68 | 2.677 |
| 19 | .748 | 69 | 2.717 |
| 20 | .787 | 70 | 2.756 |
| 21 | .827 | 71 | 2.795 |
| 22 | .866 | 72 | 2.835 |
| 23 | .906 | 73 | 2.874 |
| 24 | .945 | 74 | 2.913 |
| 25 | .984 | 75 | 2.953 |
| 26 | 1.024 | 76 | 2.992 |
| 27 | 1.063 | 77 | 3.031 |
| 28 | 1.102 | 78 | 3.071 |
| 29 | 1.142 | 79 | 3.110 |
| 30 | 1.181 | 80 | 3.150 |
| 31 | 1.220 | 81 | 3.189 |
| 32 | 1.260 | 82 | 3.228 |
| 33 | 1.299 | 83 | 3.268 |
| 34 | 1.339 | 84 | 3.307 |
| 35 | 1.378 | 85 | 3.346 |
| 36 | 1.417 | 86 | 3.386 |
| 37 | 1.457 | 87 | 3.425 |
| 38 | 1.496 | 88 | 3.465 |
| 39 | 1.535 | 89 | 3.504 |
| 40 | 1.575 | 90 | 3.543 |
| 41 | 1.614 | 91 | 3.583 |
| 42 | 1.654 | 92 | 3.622 |
| 43 | 1.693 | 93 | 3.661 |
| 44 | 1.732 | 94 | 3.701 |
| 45 | 1.772 | 95 | 3.740 |
| 46 | 1.811 | 96 | 3.780 |
| 47 | 1.850 | 97 | 3.819 |
| 48 | 1.890 | 98 | 3.858 |
| 49 | 1.929 | 99 | 3.898 |
| 50 | 1.969 | 100 | 3.937 |

TEST VALUE AND TEST LIMIT (GST ONLY — NOT APPLICABLE TO CONSULT-II)

The following is the information specified in Mode 6 of SAE J1979.

The test value is a parameter used to determine whether a system/circuit diagnostic test is “OK” or “NG” while being monitored by the ECM during self-diagnosis. The test limit is a reference value which is specified as the maximum or minimum value and is compared with the test value being monitored.

Items for which these data (test value and test limit) are displayed are the same as SRT code items.

These data (test value and test limit) are specified by Test ID (TID) and Component ID (CID) and can be displayed on the GST screen.

: Applicable : : Not applicable

| SRT item | Self-diagnostic test item | DTC | Test value (GST display) | | Test limit | Application | Unit |
|-------------|---|-------|-----------------------------|-----|------------|-------------|----------|
| | | | TID | CID | | | |
| CATALYST | Three way catalyst function | P0420 | 01H | 01H | Max. | X | - |
| | | P0420 | 02H | 81H | Min. | X | - |
| EVAP SYSTEM | EVAP control system (Small leak) | P0440 | 05H | 03H | Max. | X | - |
| | | P1440 | 05H | 03H | Max. | X | - |
| | EVAP control system purge flow monitoring | P1447 | 06H | 83H | Min. | X | mV |
| H02S | Heated oxygen sensor 1 | P0133 | 09H | 04H | Max. | X | ms |
| | | P0131 | 0AH | 84H | Min. | X | mV |
| | | P0130 | 0BH | 04H | Max. | X | mV |
| | | P0132 | 0CH | 04H | Max. | X | mV |
| | | P0134 | 0DH | 04H | Max. | X | s |
| | Heated oxygen sensor 2 | P0139 | 19H | 86H | Min. | X | mV/500ms |
| | | P0137 | 1AH | 86H | Min. | X | mV |
| | | P0140 | 1BH | 06H | Max. | X | mV |
| | | P0138 | 1CH | 06H | Max. | X | mV |
| | | P0135 | 29H | 08H | Max. | X | mV |
| H02S HTR | Heated oxygen sensor 1 heater | P0135 | 2AH | 88H | Min. | X | mV |
| | | P0141 | 2DH | 0AH | Max. | X | mV |
| | Heated oxygen sensor 2 heater | P0141 | 2EH | 8AH | Min. | X | mV |
| EGR SYSTEM | EGR function | P0400 | 31H | 8CH | Min. | X | °C |
| | | P0400 | 32H | 8CH | Min. | X | °C |
| | | P0400 | 33H | 8CH | Min. | X | °C |
| | | P0400 | 34H | 8CH | Min. | X | °C |
| | | P1402 | 35H | 0CH | Max. | X | °C |