



# TECHNICAL DATABASE INFORMATION

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| Record ID:<br>FC0008303     | Source Reference Number:<br>NCI-PI93 | Classification:<br>HA93-004 |
| Subject:<br>HEATER PERFORM. | Entered On:<br>03/24/93              |                             |
| Model Line:<br>NIS          | Model Year:<br>ALL                   |                             |

## Technical Information Abstract:

NISSAN DESIGNS ITS HEATER SYSTEMS TO PROVIDE ADEQUATE HEATING & DEFROSTING PERFORMANCE DOWN TO -30 DEGREES C.

1. VERIFY COOLING SYSTEM HAS BEEN COMPLETELY BLED OF AIR. IF AIR PROBLEM IS RECURRING, CHECK RADIATOR CAP FOR PROPER OPERATION.
2. VERIFY ALL SYSTEM ADJUSTMENTS ARE CORRECT, PARTICULARLY: FULL WATER COCK OPENING & FRESH AIR DOOR OPERATION (ALSO THAT CONTROLS ARE SET PROPERLY).
3. PATHFINDER & TRUCK V-6 THERMOSTATS MAY BE UPGRADED TO P/N 21200-0B000 (MAX/QUEST 82 DEGREE C THERMOSTAT) IF NECESSARY (IS APPROVED BY NISSAN).
4. IN SEVERE CONDITIONS (-35 C & COLDER) RESTRICT AIRFLOW THROUGH RADIATOR.

(MORE) ==>

ALL CURRENT NISSAN VEHICLES USE EITHER 76.5 OR 82 C THERMOSTATS BECAUSE THEY ARE LOCATED AT MANIFOLD INLET. OLDER NISSAN VEHICLES' THERMOSTATS ARE LOCATED AT MANIFOLD OUTLET, & WERE DESIGNATED 88 C OR HOTTER. BOTH OF THESE DESIGNS WILL RESULT IN MAXIMUM COOLANT TEMPERATURES OF ABOUT 90 C IF CORRECT THERMOSTAT, FOR EACH SYSTEM, IS USED. HOWEVER, IF 88 C THERMOSTAT (DESIGNED FOR USE AT OUTLET) IS INSTALLED IN A CURRENT NISSAN SYSTEM, THE RESULT WILL BE COOLANT TEMPERATURES IN EXCESS OF 100 DEGREES C! OVERHEATING, INCREASED TENDENCY TO DETONATE (DAMAGING ENGINE) & PROBLEMS WITH THE ECCS SYSTEM CAN RESULT.