



# SERVICE BULLETIN

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## BATTERY TESTING: NISSAN ORIGINAL EQUIPMENT AND GENUINE NISSAN REPLACEMENT BATTERIES

This bulletin has been amended. Please discard all previous copies of NTB99-048.

**APPLIED VEHICLES:** All Nissan  
**APPLIED DATES:** 1982-2004 All  
2005 Altima (L31)

### SERVICE INFORMATION

The "Micro 620" is the factory-approved battery tester. See Figure 1.

- Use of the "Micro 620" tool is required when testing any Nissan original equipment battery for warranty adjustment purposes.
- Use of the "Micro 620" tool is required when testing any Genuine Nissan replacement battery for warranty adjustment purposes.
- Reference the current "Nissan Assurance Products Resource Manual", Section 8, Page 72.

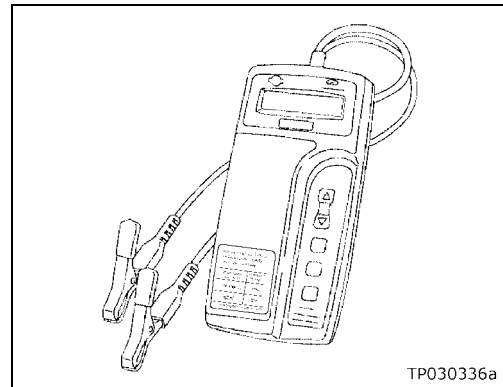


Figure 1

When setting up the "Micro 620" for testing, a **battery CCA** rating is required.

- CCA stands for Cold Cranking Amps.

This bulletin has charts which contain this CCA rating information.

- One chart is for Nissan original equipment batteries, and the other is for Genuine Nissan replacement batteries.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

**Nissan Original Equipment Batteries (installed in the vehicle at the time of manufacture):**

- Vehicles manufactured in North America have a CCA rating label on top of the battery.
- Vehicles manufactured in Japan have a JIS (Japanese Industry Standard) rating stamped into the top of the battery. Do not use the JIS rating to test the battery. They should be tested using the **CCA Ratings** listed below.

**NOTE:**

- All **80D26** batteries are to be tested at **445 CCA**
- All **80D23** batteries are to be tested at **490 CCA**

**IMPORTANT: For Nissan Original Equipment Batteries:**

- When using the factory-approved "Micro 620" tester, make sure you enter the applicable **CCA rating** from the chart below.

**Nissan Original Equipment Battery CCA Rating/JIS Number**

MODEL	YEAR	APPLICATION	CCA RATING	JIS NUMBER
350Z	2003 & Later	All	<b>490 CCA</b>	
Altima	1997 & Later	All	<b>550 CCA</b>	
Armada	2004 & Later	Standard	<b>650 CCA</b>	
	2004 & Later	Optional	<b>710 CCA</b>	
Frontier	1998 & Later	All	<b>470 CCA</b>	
Maxima	2004 & Later	All	<b>550 CCA</b>	
	2000-2003	All	<b>445 CCA</b>	
	1997-99	Standard	<b>355 CCA</b>	55D23L
	1997-99	Optional	<b>445 CCA</b>	80D26L
Murano	2003 & Later	All	<b>490 CCA</b>	
Pathfinder	2003 & Later	All	<b>490 CCA</b>	
	2001-02	All	<b>445 CCA</b>	
	1997-00	Standard	<b>355 CCA</b>	55D23R
	1999.5 - 00	Optional	<b>445 CCA</b>	80D26R
	1997-99	Optional	<b>445 CCA</b>	75D31R
Quest	2004 & Later	All	<b>550 CCA</b>	
	1999-02	All	<b>525 CCA</b>	
	1997-98	All	<b>550 CCA</b>	
Sentra	2002 & Later	QR25DE engine	<b>550 CCA</b>	
	2002 & Later	QG18DE engine	<b>470 CCA</b>	
	2000-2001	All	<b>355 CCA</b>	
	1997-99	All	<b>490 CCA</b>	
Titan	2004 & Later	Standard	<b>650 CCA</b>	
	2004 & Later	Optional	<b>710 CCA</b>	
Xterra	2000 & Later	Standard	<b>470 CCA</b>	
	2000 & Later	Optional	<b>550 CCA</b>	

- CCA = Cold Cranking Amps
- JIS = Japanese Industry Standard

**Genuine Nissan Replacement Batteries (service part replacements for Nissan Original Equipment Batteries):**

- These batteries have group number labels (24, 25, 27, etc.) located on top of the battery.
- Use the battery group number to determine the CCA rating number. Refer to the Genuine Nissan Replacement Battery Ratings charts, below and on page 4.
- Enter the CCA rating when using "Micro 620" tester.

**IMPORTANT:** When using the "Micro 620" tester, you will get inaccurate test results if you don't enter the correct CCA rating.

- The CCA rating entered during testing is recorded in the 12-character test output code required for warranty repairs.
- Claims that are submitted with incorrect CCA ratings may be suspended or denied.

**NOTE: For Nissan Original Equipment Batteries:**

When using the "Micro 620 Battery/Starting/Charging System Tester", use the **CCA rating** value shown below and on page 4.

**Genuine Nissan Replacement Battery  
Group Number/CCA Rating**

MODEL	YEAR	APPLICATION	GROUP #	NISSAN P/N	CCA RATING
350Z	2003 & Later	All	35	999M1-NB35C	550
Altima	1993 & Later	All	24F	999M1-NB24F	575
Armada	2004 & Later	All	24F	999M1-NC24F	700
	2004 & Later	With tow package	27F	999M1-NC27F	710
Frontier	1999 & Later	Six cylinder	24	999M1-NB24C	575
	1998 & Later	Four cylinder	25	999M1-NB25C	550
Maxima	2000 & Later	All	24F	999M1-NB24F	575
	1985-99	All	35	999M1-NB35C	550
	1985-99	With cold package	24F	999M1-NB24F	575
	1984	All	25	999M1-NB25C	550
Murano	2003 & Later	All	24	999M1-NB24F	550
Pathfinder	2001 & Later	All	24	999M1-NB24C	575
	1987-00	All	25	999M1-NB25C	550
	1987-00	With heated seats	24	999M1-NB24C	575
Quest	1993 & Later	All	24F	999M1-NB24F	575
Sentra	1987 & Later	All	35	999M1-NB35C	550
	1985-86	All except diesel	24F	999M1-NB24F	575
	1984	All except diesel	35	999M1-NB35C	550
Titan	2004 & Later	All	24F	999M1-NC24F	700
	2004 & Later	With tow package	27F	999M1-NB27F	710
Truck	1984-97	All except diesel	25	999M1-NB25C	550
	1982-85	Diesel	27	999M1-NB27C	675
Xterra	2000 & Later	All (standard)	25	999M1-NB25C	550
	2000 & Later	All (optional)	24	999M1-NB24C	575

- CCA = Cold Cranking Amps

**Genuine Nissan Replacement Battery  
Group Number/CCA Rating (continued)**

<b>MODEL</b>	<b>YEAR</b>	<b>APPLICATION</b>	<b>GROUP #</b>	<b>NISSAN P/N</b>	<b>CCA RATING</b>
200SX	1995 & later	All	35	999M1-NB35C	<b>550</b>
	1982-88	All	24	999M1-NB24C	<b>575</b>
240SX	1995-98	All	25	999M1-NB25C	<b>550</b>
	1992-94	Convertible	25	999M1-NB25C	<b>550</b>
	1989-94	All except Convertible	24	999M1-NB24C	<b>575</b>
300ZX	1992-96	Convertible	35	999M1-NB35C	<b>550</b>
	1990-96	All	24F	999M1-NB24F	<b>575</b>
	1984-89	All	25	999M1-NB25C	<b>550</b>
Axxess	1990	All	35	999M1-NB35C	<b>550</b>
Pulsar	1984-90	All	35	999M1-NB35C	<b>550</b>
Stanza	1987-92	All	35	999M1-NB35C	<b>550</b>
	1986-88	Wagon	35	999M1-NB35C	<b>550</b>
	1984-86	All except wagon	25	999M1-NB25C	<b>550</b>
Van	1987-90	All	25	999M1-NB25C	<b>550</b>

- CCA = Cold Cranking Amps

