



TECHNICAL SERVICE BULLETIN

Classification:	Reference:	Date:
AN19-021B	NTB19-063B	February 10, 2023

ANTENNA DIAGNOSTIC KIT INFORMATION

This bulletin has been amended. See **AMENDMENT HISTORY** on the last page.
Please discard previous versions of this bulletin.

APPLIED VEHICLES: All Nissan vehicles

SERVICE INFORMATION

An Antenna Diagnostic Kit service tool has been released (see Figure 1 on the next page). It is essential to assist technicians with troubleshooting antennas if a customer states a concern about radio static, loss of audio reception, reception fades in and out, or map showing the wrong location.

This special tool kit is composed of known good antennas, which can be connected to the audio head unit to help determine if a faulty antenna component is related to the audio system loss of reception complaint. It is intended to help technicians confirm if antenna issues are present and to potentially find a root cause for the concern without removing the headliner to help avoid unnecessary, costly, and complex audio component replacements.

The J-51782 Antenna Diagnostic Kit (new part number: NI-51782) is a universally applicable tool equipped with adapters for use during service procedures on GPS, AM/FM, Satellite Radio, and other applications.

Common customer concerns related to each antenna type:

- GPS - Map shows wrong location position, clock does not display correct time when set to "Auto Clock Mode"
- AM/FM - Static, loss of reception, reception fading in and out
- SXM Satellite Radio - Loss of reception, a message stating "No Signal", a message stating "Check Antenna"

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.

The Antenna Diagnostic Kit includes:

- Satellite Antenna Types – Magnetic base Satellite Radio, GPS I, and GPS II antennas
- AM/FM Antenna – Magnetic base AM/FM antenna, 2 AM/FM Radio adapters
- Storage Case – Case with die cut foam insert and lid label



Figure 1

PART NUMBER DESCRIPTION

DESCRIPTION	PART NUMBER*
Satellite Radio Antenna with magnetic base and adapter	J-51782-1
GPS I 9M Antenna with magnetic base and adapter	J-51782-2
GPS II 7M Antenna with magnetic base and adapter	J-51782-3
AM/FM Antenna magnetic base and adapter	J-51782-4
AM/FM Radio Antenna	J-51782-5
AM/FM Radio Adapter 1A	J-51782-6
Jack Pinout Adapter	J-51782-7
Plug Pinout Adapter	J-51782-8
AM/FM Adapter 1	J-51782-9
Plug Load Test Adapter	J-51782-10
Jack Load Test Adapter	J-51782-11
Storage Case with die cut foam, inside lid label	J-51782-12

*New part numbers begin with “NI” instead of “J”.

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
August 21, 2019	NTB19-063	Original bulletin published
February 10, 2021	NTB19-063a	Classification number updated
February 10, 2023	NTB19-063B	Publication date revised to include the latest models and model years, and tool part number information revised

