

Coolant: Technical Service Bulletins

Engine Coolant - Special Refilling Tool

Classification: TE02-001a

Reference: NTB02-011a

Date: March 11, 2002

ESSENTIAL TOOL: ENGINE COOLANT REFILL TOOL

This bulletin amends NTB02-011. This version has the addition of a Service Procedure. Please discard all paper copies of the earlier bulletin.

APPLIED VEHICLES:

All Nissan

SERVICE INFORMATION

If for any reason the vehicle's cooling system needs to be filled with coolant due to a service repair or maintenance, use the Coolant Refill Tool # J-45695.

^ Using this tool properly will ensure complete filling without trapped air bubbles in the cooling system.

^ Air pockets in the cooling system can cause:

- A) Overheating
- B) Poor heater performance
- C) Gurgling noise from the heater core

To ensure the tool is used correctly, refer to the Operating Instructions supplied with the tool and the Service Procedure in this Bulletin.

TECH-MATE ESSENTIAL TOOL SHIPMENT



TO: Dealer Principal and Dealer Service Manager

2001 NISSAN

EG-130-01-13

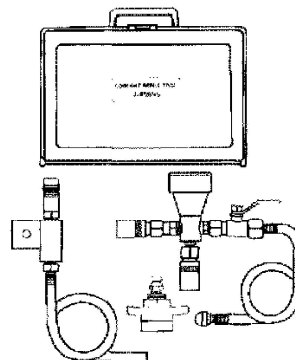
The following special service tool has been classified essential by Nissan North America, Inc.

J-45695

Coolant Refill Tool

Application: Universal

Note: Airlocks in the cooling system of today's vehicles can cause engine overheating, poor heater performance, or unwanted noise. This tool was developed specifically for Nissan vehicles to eliminate airlocks without repeated, time consuming, warm up and cool down cycles. Elevating the front of the vehicle is also not necessary. It has a Nissan specific radiator cap and a double venturi that enables it to pull a deeper vacuum than competitive products. This tool also has two hose connections, which allows you to purge air from the refill hose before it is introduced into the cooling system. A leak check can be performed by monitoring the vacuum gauge prior to adding the new coolant and water solution. The coolant refill tool saves time during coolant changes, while reducing the risk of a comeback after the service.



This essential tool will be invoiced to your Nissan non-vehicle account at \$196.43 (plus appropriate taxes and freight) in accordance with your dealer agreement with Nissan North America, Inc.

Note: Additional Coolant Refill Tools can be ordered from Tech-Mate (1-800-662-2001) for \$196.43 each

NI01-442

TP020019

SPX

KENT-MOORE

SPX Corporation • 655 Eisenhower Drive • Owatonna, MN 55060-0995 • Phone 800-662-2001 • Fax 800-578-7375

All Tools May Not Be Included in this Shipment. Check Packing Slip for Tools Actually Shipped.

Phone 1-800-662-2001 • FAX 1-800-578-7375



Refer to the "Essential Tool Shipment" flyer shown for additional information.

This special tool is "Essential" and was automatically sent to all Nissan dealers.

Additional tools can be ordered from Tech-Mate (1-800-662-2001) for \$196.43 each.

SERVICE PROCEDURE

Refer to the Operating Instructions supplied with the tool for complete refill procedure.

Key points to ensure the cooling system is purged of air bubbles are as follows;

Always start with an Empty Radiator

For step 2 of the Operating Instructions:

^ To hold the coolant mixture supply, use a clean bucket or other suitable container that is larger than the cooling system's total capacity.

^ The amount of coolant mixture in the refill supply must be more than needed to fill the system completely.

^ This will help avoid pulling in air at the end of the refilling procedure.

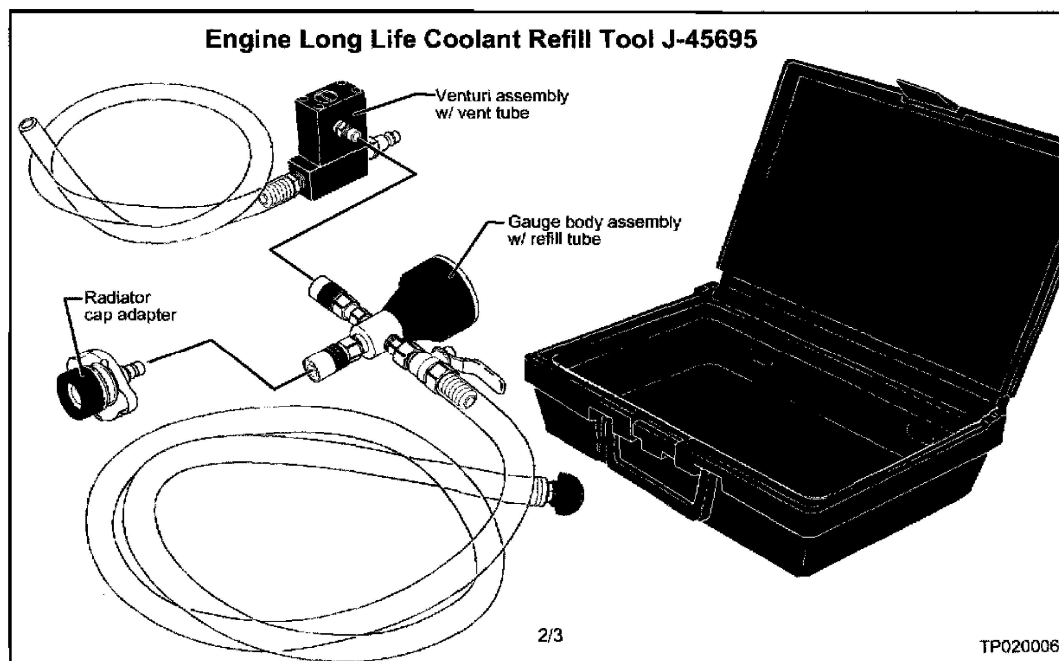
NOTE:

^ See the appropriate Service Manual for cooling system refill capacity.

^ Use Genuine NISSAN Anti-freeze Coolant or equivalent, mixed 50/50 with distilled water or demineralized water.

For step 3 of the Operating Instructions:

^ Make sure to Purge all air from the Refill Tube (intake hose) before beginning the refill process.



NOTE:

The Venturi will NOT be harmed if some coolant goes through it during the air purge process.

^ Place the container of coolant mixture above the level of the radiator during the refill process.