

Tech Tips



Technical Services Department, Mazda Australia Pty. Limited,
Ph: 1300 131 335, Fax: (03) 8540 1870, eMail: serviceqa@mazda.com.au

Subject: **TT023_05** Issued: **19/May/2005** Revised: **06/Dec/2007** Page: 1 of 3

Title: **INTRODUCTION OF FL22 EXTRA LONG LIFE COOLANT**

Model(s): **ALL CURRENT MODELS**

Category: **Cooling System**

Distribution: Dealer Principal Service Manager Parts Manager Sales Manager

Technician Initials: _____

This Tech Tip is to advise the introduction of new extra long life coolant at factory fill. The new coolant is designated "FL22". All current models will be progressively changed over to FL22 coolant for factory fill at production.

REASON FOR INTRODUCTION:

- To reduce maintenance cost
- To reduce coolant waste and save resources

MASS PRODUCTION CHANGE

FL22 has been used for factory fill from the VINs listed in the following table.

<i>Model</i>	<i>From VIN</i>	<i>Comment</i>
MPV	JM0LW10J3 00301728	--
E Series	JM0SK*0*2 00302989	--
E / T Series cab chassis	JM0SYEAT1 00200486	--
RX-8	JM0FE1031 00103368	--
MX-5 (NC)	JM0NC30F1 00100001	From commencement of production
Mazda2	JM0DY10Y2 00200001	From commencement of production of facelift model
Mazda6 4SD / 5HB / MPS Petrol & 5HB Diesel	JM0GG10*2 00545076	--
Mazda6 Wagon Petrol & Diesel	JM0GY10*2 00304994	--
BT-50	MM0UNY0E300613091 (3.0 L) MM0UNY0W300613309 (2.5 L)	From commencement of production
CX-7	JM0ER103100100008	From commencement of production
Mazda3	JM0BK10*200390650	From 1 December 2007

↑
Added

Note 1: FL22 will not be used in B4000 V6 cooling systems. B4000 uses L405F type coolant only (orange), part number B4V6-W9-00L5. Please refer to Parts Marketing Bulletin M11_06 for more information about this coolant.

IDENTIFICATION OF VEHICLES WITH FACTORY FILL FL22

Vehicles with factory fill FL22 will have an identifying label attached to the radiator cap (refer image at right).



COOLANT REPLACEMENT INTERVAL – COMPARISON OF PREVIOUS COOLANT TO FL22

	<i>Initial Fill (Factory)</i>	<i>Subsequent Fill (At Service)</i>
Previous coolant	4 years / 80,000 km	2 years
FL22	10 years / 200,000 km	5 years / 100,000 km

FL22 COMPATABILITY WITH PREVIOUS COOLANT

The new FL22 is compatible with the previous coolant. However, as both coolants are green, it is not possible to visually distinguish between them.

COOLANT REPLACEMENT INTERVAL WHEN COOLANT TYPE IS CHANGED DURING SERVICE

<i>Coolant Type in System</i>	<i>Coolant Used for refill</i>	<i>Replacement Interval</i>	<i>Comment</i>
Previous coolant	FL22	5 years / 100,000 km	Attach “FL22” sticker close to radiator or coolant reservoir
FL22	Previous Coolant (K300-W9-00L1 or K300-W9-00L20)	2 years	Blank out underbonnet “FL22” sticker with black marker

COOLANT TOP-UP

We recommend using FL22 for top up of cooling systems containing FL22. However the system may be topped up with previous coolant (K300-W9-00L1 or K300-W9-00L20) up to 5% of system capacity without shortening the replacement interval. If top up is more than 5%, the replacement interval reverts to 2 years.

AVAILABILITY

- FL22 is available through normal parts channels, part number K018-W0-12220L (20 litre container).
- FL22 stickers (“Next Replacement Date and Kms”), which can be attached to the coolant reservoir of vehicles in the event of refill with FL22, are now available. See the next page for an image of the sticker. To order FL22 heatproof stickers, go to the Service Development section of the Mazda Intranet and download the 'POS Item Re Order Form' or follow the link below:
<http://www.pub.mazda.com.au/articleZone.aspx?articleZoneID=1107>



'All rights reserved. Reproduction by any means, electronic or manual including photocopying, recording or by any information storage and retrieval system or translation in whole or part is not permitted without written authorisation from Mazda Australia Pty. Ltd. Copyright c 2007 Mazda Australia Limited.'

Notwithstanding the above, reproduction within a Mazda Dealership to the extent necessary for the service operations of that Dealership is permitted.

The information and repair procedures described in this Bulletin are intended for use by appropriately qualified and Mazda trained automotive technicians only, utilising Mazda repair information and special tools and must not be disclosed to any person or company outside the Mazda network. These procedures should not be attempted by unqualified personnel, as personal and vehicle safety may be compromised.

The initial recipient of this Bulletin within a Mazda Dealership assumes responsibility for internal distribution of the Bulletin in accordance with the distribution list contained in the Bulletin header.