

Mazda MX-5 Cup ND.2 Basic Service Intervals Quick Guide

PLEASE REFER TO THE MAZDA MX-5 CUP USER MANUAL FOR MORE INFORMATION

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Fluids:

<u>ltem</u>	MX-5C Spec Fluid
Engine Oil	Idemitsu Pro Racing Engine Oil Full Synthetic 5W-40
Rear Differential Oil	Idemitsu Pro Racing Gear Oil 75W-90
Transmission Oil	Idemitsu Pro Racing Gear Oil 75W-90
SADEV Transmission Oil	Idemitsu Pro Racing Gear Oil 75W-90
Brake Fluid	DOT 4 OR HIGHGER
Fuel	91 – 101 Octane Series dependent
Coolant	Cool-aide or Mo Cool

Basic Service Intervals:

As with any standard service items, these intervals should be adjusted based on your level of use and special on-track conditions. The service intervals are based on 10-12 events per year, with a typical event weekend having approximately 3 hours of track time.

FLUIDS	SPEC FLUID	AFTER EACH EVENT	EVERY OTHER EVENT	ANNUALLY
Engine Oil	5w-40 Idemitsu Oil	Inspect and Replace		
Differential Oil	75w-90 Idemitsu Oil	Inspect and Replace		
Transmission Oil	75w-90 Idemitsu Oil	Inspect and Replace		
SADEV Transmission Oil	75w-90 Idemitsu Oil	Inspect and Replace		
Brake Fluid	DOT 4 or Higher	Bleed		Full Flush
Engine Coolant	Maxima Kool Aid / Mo Kool W/Distilled Water			Full Flush

FILTER	MAZDA PART NUMBER	AFTER EACH EVENT	EVERY OTHER EVENT	ANNUALLY
Engine Oil Filter	PE01-14-320A	Replace		
Transmission Filter	000-08-5032		Service	Replace
Differential Filter	000-08-5032		Service	Replace
Intake Air Filter	PEES-13-3A0	Replace		

CHASSIS PARTS	AFTER EACH EVENT	REPLACE
Hub Bearing (front/rear)	Clean and Inspect	Annually
Wheel Studs	Clean and Inspect	Biannually
Tie Rod End (left/right)	Clean and Inspect	As needed
Eccentric Bolts	Clean and Inspect	Annually
Rear Axles	Clean and Inspect	Biannually
Engine Mounts	Clean and Inspect	As needed
Drive Shaft	Clean and Inspect	As needed
Rear Upright (left/right)	Clean and Inspect	As needed
Front Upright (left/right)	Clean and Inspect	As needed
Rear Suspension (left/right)	Clean and Inspect	As needed
Upper Control Arm (left/right)	Clean and Inspect	As needed
Lower Control Arm (left/right)	Clean and Inspect	As needed
Wheels	Clean and Inspect	As needed
Sway Bars (front/rear)	Grease Front Bushings	As needed
Drop Links Front (left/right)	Clean and Inspect	Biannually
Drop Links Rear (left/right)	Clean and Inspect	Biannually
Brake Duct (left/right)	Clean and Inspect	As needed
Torrington Bearings	Clean and Inspect	As needed
Dampers	Clean and Inspect (Service Annually)	As needed

CHASSIS PARTS	AFTER EACH EVENT	REPLACE
Fire Bottle	Check Battery/Bottle Pressure	As needed
Safety Equipment	Clean and Inspect	See Service Date
Diff/Trans Cooler Pump Seals	Review Cooling Data	Rebuild Annually
Diff Bushings	Clean and Inspect	As needed
Front Brake Caliper Seals	Inspect	Annually
* Front Brake Rotor Hat Hardware	Inspect	Annually
Brake Line	Clean and Inspect	Annually
Power Plant Frame	Clean and Inspect	Biannually
Front Brake Caliper Pad Pins - Brembo GT Caliper (Pre 2023)	Inspect	Annually

BRAKES	NOTE:	AFTER EACH EVENT	EVERY OTHER EVENT	ANNUALLY
*Front Brake Rotor Hat Hardware	To keep the disc operating at optimum performance, the hardware MUST be inspected after EVERY race weekend (MX-5 Cup) or EVERY full day the car is run (Club Level, etc.) This means completely disassembling the bell from the disc and inspecting the bushings, the screws, and the washers.	Inspect		Annually



Mazda MX-5 Cup ND.2 User Guide

Refer to the latest version of the Mazda MX-5 Technical Rules for up-to-date information regarding rules and regulations

Do Not Operate Vehicle until you've done the Following:
Read this entire document, all associated manufacturer instructions, and FIA Safety Regulations.
Fully install a FIA seat, FIA safety belts and FIA Drivers Nets.
Connect the Fire Bottle Wiring in the Trunk and Activated the Fire System

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Mazda MX-5 Cup User Manual

This document will be updated periodically to reflect cumulative changes made to the vehicle specification.

The Mazda MX-5 Cup Car User Manual serves as a comprehensive guide for operating and maintaining the vehicle. It includes detailed instructions on vehicle maintenance procedures, safety protocols, and technical specifications to ensure optimal performance

Please visit our Flis Performance website: Flis Performance



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Mazda MX-5 Cup Homologation Document:

This document will be updated periodically to reflect cumulative changes made to the vehicle specification. A list of all vehicle updates can be found on the Flis Performance web site.

The Mazda MX-5 Cup Car Homologation provides the approved specifications, modifications, and safety features required for competitive racing. It covers technical specs, safety equipment, and compliance. This document provides teams with essential information for participating in sanctioned Mazda MX-5 Cup Car events.

Please visit our Flis Performance website: Flis Performance