

INSTALLATION INSTRUCTIONS CATCH CAN KIT

1990-2005 MAZDA MX-5 Miata

Kit # 20-0336-FL, 20-0337-FL

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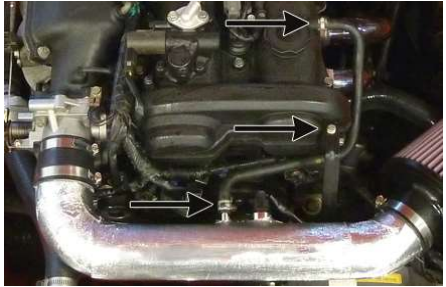




STEPS 6-8 COVERS P/N: 20-0336 SINGLE CATCH CAN KIT PLUMBING WHEN USED FOR THE PCV VALVE LINE
 STEPS 9-11 COVERS P/N: 20-0336 SINGLE CATCH CAN KIT PLUMBING WHEN USED FOR THE CRANKCASE VENT LINE
 STEPS 12-14 COVERS P/N: 20-0337 DUAL CATCH CAN KIT INSTALLATION




20-0337-FL			
Item Description	Qty	Item Description	Qty
CC MTG BRACKET, UNIV, SINGLE	1	10AN ORB TO 6AN MALE FITTING	4
Bracket, Catch Can, MX-5	1	PUSHLOK HOSE END, 6AN 90DEG	4
Catch Can, Fluid Lock 2, Preassembled	2	SPRING CLAMP, 3/8" HOSE	4
3/8 PCV/FUEL HOSE	11 ft	Loop Clamp, Rubber Cushioned	2
BHSCS, M8 x 1.25, 14mm Long, SS	2	SHCS, M6 x 1.0, 8mm Long	2
M6 Flange Nut	3	BHSCS, M6 x 1.0, 14mm Long	5
		CATCH CAN SERVICE INTERVAL STICKER	1

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1	10mm Wrench	Before disconnecting the battery, be sure to have the anti-theft code for the OEM radio, if applicable. Write down the frequencies for the radio's preset buttons. Access the battery and remove the negative (-) terminal using a 10mm wrench.	
		Unlatch and prop the hood. Install fender covers to protect the body and paint.	
		Allow the engine to cool before proceeding.	

2		NOTE: The OEM Mazda MX-5 air intake system cannot be used with these catch can kits. An aftermarket air intake system must be fabricated or purchased before proceeding.	
		Reference the factory service manual to remove the air intake box (shown) in your specific MX-5.	
3	4mm or 5mm Allen	90-97 MX-5 (NA) ONLY: Find the two included M6 button head bolts in the kit. Insert them through the 2 Radium mount holes (shown in blue). Tighten to the frame using a 4mm Allen hex wrench. NOTE: The two M8 button head bolts included in the kit will not be used.	
		99-05 MX-5 (NB) ONLY: Find the two included M8 button head bolts in the kit. Insert them through the 2 Radium mount holes (shown in red). Tighten to the frame using a 5mm Allen hex wrench. NOTE: The two M6 button head bolts included in the kit will not be used.	
		The slotted holes allow adjustable clearancing for nearby parts.	
4	1" Wrench	Find the included -6AN male adapter fittings in the kit. Lubricate the O-rings and install into both catch can ports. Using a 1" wrench, tighten the fittings.	
		NOTE: If a dual catch can kit was purchased, this procedure applies for both catch cans.	
5	3mm Allen Wrench	Install the catch can to the mount, as shown.	
	Threadlocker	Apply a medium strength threadlocker and tighten the included M5 screws.	
6	Pliers	20-0336 PLUMBING IF USING CATCH CAN FOR PCV VALVE LINE	
		Using pliers, loosen the PCV valve hose spring clamps (if equipped). Carefully pull the PCV valve out of the valve cover. NOTE: PCV hose placement may differ from picture depending on the engine.	
		Remove the PCV hose from the PCV valve. If still original, the PCV valve may be brittle so be careful. Reinstall the PCV valve into the valve cover. The OEM PCV valve hose can be discarded.	
7	Hose Cutter	Screw the included Push Lok hose ends onto the catch can fittings. Cut the included 3/8" PCV hose in half.	
	Pliers	Install one hose to the intake manifold barb and secure with the included spring clamp. Install the other hose to the PCV valve barb and secure with the included spring clamp, as shown.	
		Route the hoses around the backside of the motor against the firewall towards the catch can Push Lok hose ends.	

8	Hose Cutter	<p>The PCV valve hose routes to the catch can top port. The intake manifold hose routes to the catch can side port. Measure and cut the hoses to length.</p> <p>Using lubrication, install the Push Lok ends to the hose. NOTE: Pusk Lok hose ends DO NOT require hose clamps. Tighten each Push Lok hose end to the catch can fittings using a 11/16" non marring wrench.</p> <p>Reinstall all OEM components in reverse order.</p>	
	11/16" Wrench		
9	Pliers	<p>20-0336 PLUMBING IF USING CATCH CAN FOR CRANKCASE VENT LINE</p> <p>The crankcase breather routes from the valve cover to the intake pipe. This line varies from engine to engine.</p> <p>Using pliers, loosen all associated spring clamps. Remove the two M6 bolts (1990-1997 MX-5 NA) or one M6 bolt (1999-2005 MX-5 NB shown) on the valve cover using a 10mm wrench.</p> <p>Remove the crankcase ventilation line from the engine and discard.</p>	
	10mm Socket		
10	Hose Cutter	<p>Screw the included Push Lok hose ends into the catch can fittings. Cut a ~12" section from the included 3/8" PCV hose.</p> <p>Install one hose to the air intake pipe barb and secure with the included spring clamp. Install the other hose to the valve cover barb and secure with the included spring clamp, as shown.</p> <p>Route the hoses towards the catch can Push Lok hose ends.</p>	
	Pliers		
11	5mm Allen Wrench	<p>The valve cover hose routes to the top port. The air intake pipe hose routes to the side port. Use the included cushion clamps and hardware to secure the hose to the valve cover (99-05 MX-5 NB will only use 1 clamp). Measure and cut the hoses to length. Using lubrication, install the Push Lok ends to the hose. NOTE: Pusk Lok hose ends DO NOT require hose clamps. Tighten each Push Lok hose end to the catch can fittings using a 11/16" non marring wrench.</p> <p>Reinstall all OEM components in reverse order.</p>	
	Hose Cutter		
	11/16" Wrench		
12	10mm Wrench	<p>P/N: 20-0337 DUAL CATCH CAN KIT INSTALLATION</p> <p>Follow the catch can instructions listed above for securing the main mounting bracket.</p> <p>Find the three M6 nuts, three M6 bolts, and mounting bracket included in the kit. Secure as shown using a 10mm wrench and 4mm Allen hex wrench.</p>	
	4mm Allen Wrench		
13	3mm Allen Wrench	<p>Install the second catch can to the mount, as shown.</p> <p>Apply a medium strength threadlocker and tighten the included M5 screws.</p>	
	Threadlocker		

14		Follow the appropriate catch can plumbing instructions listed above for plumbing. NOTE: It is common to use the PCV plumbing information for the rear mounting location and the crankcase vent plumbing information for the front mounting location.	
		Reinstall all OEM components in reverse order. Start the engine and confirm there are no leaks.	
		INSTALLATION COMPLETE	
SERVICING	<p>It is recommended to check catch can fluid level every 5,000 miles (8,000km). It may be necessary to check more frequently in cases of extreme use.</p> <p>Catch can contents can be monitored using the dipstick. The contents can be emptied by one of three ways:</p> <ol style="list-style-type: none"> 1. Unscrewing the bottom half of the catch can and dumping out the collected fluid. 2. Extracted through the dipstick hole using a hand vacuum pump and straw. 3. A remote drain hose can be installed on the bottom of the catch can (P/N 20-0024) <p>Carefully drain contents into an oil-safe container and dispose in the same manner as used motor oil.</p>		