

mods4cars

OPERATION AND PROGRAMMING

smartTOP



STHFMA1

Comfort Roof Control Module for

- Mazda MX-5 PRHT

v1.0

Further information and manuals for all products can be found on our web site

www.mods4cars.com

We explicitly point out that all functions of this control unit should only be used while exercising caution and responsibility. We can NOT be held liable for any damage or injury caused by installing or using this product. PLEASE READ THE COMPLETE MANUAL CAREFULLY BEFORE USING THIS PRODUCT.

Detailed function description (* = Factory setting)

Function 1 - Module Enable - Workshop/Diagnose Mode (0=MODULE DISABLED / *1=MODULE ENABLED)

When disabled, the module becomes completely inactive and behaves as if it was not installed. This is useful if you need to take the car to the dealer or garage for inspection or repairs.

Important: This function acts like a master switch, setting 0 disables the whole module. The individual settings and preferences for the functions below stay unchanged. This way the module can easily be deactivated and reactivated.

Function 2 - One-Touch for the soft-top switch (0=OFF / *1=ON / 2=AUTO) - Setting 2 requires Firmware v1.10+

When enabled, the center console switch operation is enhanced as follows:

- Holding down the switch in either direction will operate the top as long as the switch is held.
- Tap "OPEN" to open the top.
- Tap "CLOSE" to close the top.
- Tap either direction at any time for emergency stop.

Setting 2 (Auto) opens the top automatically when the mechanical latch is disengaged. **USE WITH EXTRA CAUTION!** Auto open can be canceled by immediately tapping one of the top buttons after unlatching.

Function 3 - Maximum allowed speed for top operation (*0=0kmh / 1=10kmh / 2=20kmh / 3=30kmh / 4=40kmh / 5=50kmh / 6=60kmh)

Setting the max allowed speed for top operation in steps of 10km/h (~7mph). Setting 0 only allows top operation while halted.

Function 4 - Warning Beeps (0=OFF / *1=ON) - Firmware v1.20+

If the mechanical latch is not engaged within ~5 sec. after closing the top, the module will produce warning beeps via the cluster beeper.

Programming

This module is equipped with our interactive setup feature to allow easy setting of the desired options.




All programming is done by using the center console roof buttons (1) and (2) and the cluster buzzer. Functions and their settings are indicated by beeping patterns of the buzzer.

Navigation is done by tapping "CLOSE" (1) for next function or "OPEN" (2) for next setting. After selecting the last function or function setting, the setup automatically jumps back to the first function / lowest setting. Each time either a new function is selected or a function's setting is changed, the buzzer will indicate the new status by first beeping the function number, followed by a short pause and then the setting number.

To enter programming mode, first make sure the ignition is fully on. Hold down both buttons (1) and (2) simultaneously for about 3-4 sec. (or until you hear a long beep) then let go. The buzzer will now indicate function 1 and it's setting. Either 1-1 for ON or 1-0 for OFF. From this point on you can navigate through the functions by tapping "CLOSE" and once the buzzer finished the beeping pattern for function and setting, change the setting by tapping "OPEN". The new settings are active immediately.

To end programming mode, either wait for 30 sec. or tap both buttons simultaneously. End of programming mode is indicated by a long beep.

Function/Setting Matrix (*green fields are factory defaults)

Product: STHFMA1 - SmartTOP for Mazda MX-5 PRHT Firmware: v1.2x							
	Setting 0	Setting 1	Setting 2	Setting 3	Setting 4	Setting 5	Setting 6
Function 1	OFF	*ON	-	-	-	-	-
Main Switch	Module Disabled	Module Enabled					
Function 2	OFF	*ONETOUCH	AUTO	-	-	-	-
Conv. Top One-Touch	Don't change center console switch behavior	Enable one-touch operation while driving	Open top automatically after unlatching				
Function 3	*0 km/h	10 km/h	20 km/h	30 km/h	40 km/h	50 km/h	60 km/h
Maximum Speed	Only while halted	10 km/h (~7mph)	20 km/h (~13mph)	30 km/h (~19mph)	40 km/h (~25mph)	50 km/h (~31mph)	60 km/h (~38mph)
Function 4	OFF	*ON	-	-	-	-	-
Warning Beeps	Factory behavior	Beep if mechanical latch is left unlocked					