

EXTERIOR MIRRORS

The exterior mirrors on all models incorporate electrical heating and adjustment. Depending on vehicle model and market, the exterior mirrors may also incorporate mirror foldback, memory recall and reverse dipping.

Heating

Exterior mirror heating is provided by heater elements bonded to the back of the mirror glass. The power supply to the heater elements is controlled by the Automatic Temperature Control Module (ATCM).

The windshield washer jet heaters and the exterior mirror heaters are permanently enabled while the ignition switch is in position II. The heaters are controlled by a 30 seconds period Pulse Width Modulated (PWM) signal from the ATCM to the coil of the heated washer jets/exterior mirrors relay in the Battery Junction Box (BJB). When the relay is energized, it connects a battery power feed to the heaters. To vary the time that power is applied to the heaters, the ATCM varies the on-time percentage of the PWM signal, depending on the ambient air temperature and the status of the windshield wipers. When the ignition switch is first turned to position II, the ATCM initially sets the on-time percentage of the PWM signal to 100%, for a time that varies with ambient air temperature. After the initial heating period, the on-time percentage varies according to the status of the windshield wipers.

Exterior Mirror Heating Percentage On-times

On-times	Ambient Air Temperature, °C (°F)					
	<-10 (<14)	-10 to 0 (14 to 32)	0 to 15 (32 to 59)	15 to 25 (59 to 77)	25 to 35 (77 to 95)	>35 (>95)
Initial	-	100% for 3 minutes	100% for 2 minutes	100% for 1 minute	100% for 1 minute	-
Wipers Off	100%	75%	50%	25%	0%	0%
Wipers On	100%	100%	75%	50%	25%	0%