

nismo News Flash!

Indispensable Item for Sports Driving “Cooling Menu” for Fairlady Z (Z33, Z34) now available (Exclusive in Japan market only)



Engine oil cooler kit for Z34



Rear differential oil cooler kit



Power steering oil cooler kit for Z34



Radiator kit for Z33

Nissan Motorsports International Co., Ltd. (Head office: Minami-Oi Shinagawa-ku, Tokyo, President: Shoichi Miyatani, "NISMO") launches "Cooling Menu" for the Nissan Fairlady Z (Z33, Z34) which goes on sale in Japan from July 14 at NISMO Omori Factory, NISMO Expert Shops nationwide, Nova Engineering Co., Ltd. and NordRing, certain Nissan certified shops for NISSAN GT-R.

* The rear differential oil cooler kit and kit menu products will be available from August 4.

The cooling menu lines up the engine oil cooler, rear differential oil cooler, power steering oil cooler and radiator (improved cooling performance), which are indispensable items for sports driving. NISMO has set up both a single-item menu and kit menu so that customers can select the menu that suits their vehicle specifications and driving style. Purchasing the kit menu allows customers to save on price compared with purchasing single items. NISMO has conducted not only a durability test on the components, but also a strength and durability test in a vehicle, following its own strict quality standards^{*1}, so that NISMO can offer these components with assured quality, although they are sporty optional components for circuit driving.

*1 Example of durability test (engine oil cooler)

The cooler was mounted in a vehicle and subjected to 2 million continuous vibrations at 3 G/25 Hz in each of the vertical and longitudinal directions, and 1.5 million vibrations at 2 G/25 Hz in the horizontal direction. It cleared the criteria.

[Cooling menu lineup]

<Single component menu>

1. Engine oil cooler kit

NISMO has adopted a genuine oil cooler core for NISSAN GT-R (R35) which is excellent in both performance and quality for this kit. The installed thermostat enables optimum oil temperature control. To enhance the cooling efficiency, an exclusive air duct and an exclusive inner fender (only for Z34) are kitted for different bumper shapes. Select the kit that matches your bumper type.

* For details, see the item in the overview of products.

2. Rear differential oil cooler kit

NISMO has adopted an unprecedented rear differential oil cooler of a water-cooling type. A water jacket is provided for the exclusive differential case cover with a cooling fin, and cooling water is circulated to cool the differential oil in the case. A tank for cooling water is installed in a space for the spare tire, and a pump circulates the cooling water. The cooler can be switched on or off using a switch installed inside the vehicle.

* For details, see the item in the overview of products.

3. Power steering oil cooler kit

The core of the genuine power steering oil cooler was made larger. By increasing the heat radiation calories by approximately 1.6 times that of the genuine component, the oil temperature will be stabilized even during circuit driving.

* For details, see the item in the overview of products.

4. Radiator kit

This kit uses a genuine-specification radiator with high cooling effects that is intended for use in tropical areas. For Z33, the kit has been used as Fairlady Z Version NISMO Type 380RS, and has already demonstrated its high cooling performance.

* For details, see the item in the overview of products.

<Kit menu>

1. Oil/water temperature full kit

This set includes all kits in the cooling menu – engine oil cooler, rear differential oil cooler, power steering oil cooler and radiator.

We recommend this full kit for drivers who will start sports driving.

2. Oil-temperature full kit

This set has included kits related to oil coolers for the engine, rear differential and power steering.

We recommend this full kit for drivers who are concerned about a variety of oil temperature.

3. Engine oil/water temperature kit

This set consists of the engine system cooling menu items - engine oil cooler and radiator kits.

We recommend this set especially for advanced drivers who drive on circuits with a high engine load, as well as for drivers who will start sports driving.

4. Engine & differential oil temperature kit

This set includes the engine & differential oil temperature kits which cause a critical point for circuit driving. It contains the engine oil cooler kit and rear differential oil cooler kit.

We recommend it for drivers who are concerned about the oil temperatures of the engine and differential oil temperatures.

■ Applicable Vehicles and Price List (One-year warranty)

Description			Suggested retail price (tax included)	Applicable models	Remarks
Engine oil cooler kit	Z33	Version NISMO (Type 380RS) bumper	199,500 yen	All Fairlady Z (Z33, Z34) models	One-year warranty
		Normal bumper and NISMO front bumper spoiler			
		NISMO front bumper spoiler Ver. 2			
	Z34	Version NISMO bumper	210,000 yen		
		Normal bumper			
Rear differential cooler kit		For Z33	178,500 yen	All Fairlady Z (Z33, Z34) coupe models	To be marketed on August 4, 2010 One-year warranty
		For Z34			
Power steering oil cooler kit		For Z33	28,350 yen	All Fairlady Z (Z33, Z34) models	One-year warranty
		For Z34	31,500 yen		
Radiator kit		For Z33	168,000 yen	All Fairlady Z (Z33) ('07 Jan and later) M/T models ^{Note 1}	For VQ35HR, M/T models
		For Z34	147,000 yen	All Fairlady Z (Z34) M/T models	For M/T models
Oil/water temperature full kit		For Z33	493,500 yen	All Fairlady Z (Z33) ('07 Jan and later) M/T coupe models ^{Note 1}	To be marketed on August 4, 2010
		For Z34	504,000 yen	All Fairlady Z (Z34) M/T coupe models	
Oil-temperature full kit		For Z33	378,000 yen	All Fairlady Z (Z33, Z34) coupe models	To be marketed on August 4, 2010
		For Z34	388,500 yen		
Engine oil/water temperature kit		For Z33	299,250 yen	All Fairlady Z (Z33) ('07 Jan and later) M/T models ^{Note 1}	To be marketed on August 4, 2010
		For Z34	309,750 yen	All Fairlady Z (Z34) M/T models	
Engine & differential oil temperature kit		For Z33	367,500 yen	All Fairlady Z (Z33, Z34) coupe models	To be marketed on August 4, 2010
		For Z34	378,000 yen		

* The prices include the installation labor charge. It does not include the charges for the engine oil, differential oil, LLC, power steering fluid or air-conditioner refrigerant. They may be necessary depending on the menu. For details, refer to the items in the overview of products.

Note 1: The Fairlady Z Version NISMO Type 380RS is equipped with the radiator kit in standard.

■ Shop List

“Cooling Menu” for Fairlady Z (Z33, Z34) is available from the following dealers:

- NISMO Omori Factory
- NISMO Expert Shops nationwide
- Certain Nissan certified shops for NISSAN GT-R (Nova Engineering Co., Ltd., NordRing)

[Overview of products]

1. Engine oil cooler kit



(For Z33)



(For Z34)

NISMO has adopted a genuine oil cooler core for NISSAN GT-R (R35) which is excellent in both performance and quality for this product. The installed thermostat enables optimum oil temperature control. To enhance the cooling efficiency, an exclusive air duct and an exclusive inner fender (only for Z34) are kitted for different bumper shapes. Select the kit that matches your bumper type.

[Selectable bumper]

<For Z33>

- 1) Version NISMO (Type 380RS) bumper
- 2) Normal bumper & NISMO front bumper spoiler
- 3) NISMO front bumper spoiler Ver. 2

<For Z34>

- 1) Version NISMO bumper
- 2) Normal bumper

■ Performance data

	Z33	Z34
Test vehicle	Version NISMO Type 380RS	Version NISMO
Test course	Fuji Speedway	Fuji Speedway
Ambient temperature	20 °C	10 °C
Average lap time	2 min 05 sec range	2 min 06 sec range
Oil temperature	Stable under 120 °C (cooling effect: Approx. -40 °C)	Stable under 107 °C (cooling effect: Approx. -45 °C)

[Specifications]

- Air cooling type
- Kit weight: Approx. 7 kg

[Kit components]

- Oil cooler core [NISSAN GT-R (R35) modified genuine parts]
- Air duct
- Inner fender (only for Z34)
- Thermostat
- Stainless steel braided hoses (feed, return)
- Hose brackets
- Oil filter brackets
- Attachment accessories set

[Applicable models] All Fairlady Z (Z33, Z34) models

■ Price List (One-year warranty)

Description			Suggested retail price (tax included)	Remarks
Engine oil cooler kit	Z33	Version NISMO (Type 380RS) bumper	199,500 yen	
		Normal or NISMO front bumper spoiler		
		NISMO front bumper spoiler Ver. 2		
	Z34	Version NISMO bumper	210,000 yen	
		Normal bumper		

* The prices include the installation labor charge. It does not include the charge for engine oil. It will be charged separately. ^{Note}

Note: Approx. additional 2 L of engine oil is required when attaching the engine oil cooler kit.

[Note for attachment] It is necessary to cut the radiator core support to attach the kit.

2. Rear differential oil cooler kit



<Kit components>



<Differential case cover>

NISMO has adopted an unprecedented rear differential oil cooler of a water-cooling type. A water jacket is provided for the exclusive differential case cover with a cooling fin, and cooling water is circulated to cool the differential oil in the case. A tank for cooling water is installed in the space for the spare tire, and a pump circulates the cooling water. The cooler can be switched on or off from inside the vehicle.

■ Performance data

	Z33	Z34
Test vehicle	Version NISMO Type 380RS	Version NISMO
Test course	Tsukuba Circuit	Fuji Speedway
Ambient temperature	15 °C	10 °C
Average lap time	1 min 10 sec range	2 min 06 sec range
Oil temperature	156 °C (cooling effect: Approx. -20 °C)	163 °C (cooling effect: Approx. -20 °C)



<Example of water tank installation>

[Specifications]

- Water cooling type
- Kit weight: Approx. 6 kg (dry weight)

[Kit components]

- Exclusive differential case cover (with cooling fin and water jacket) (with NISMO logo)
- Water tank (capacity 4 L)
- Water pump
- Harness & switch
- Attachment accessories set

[Applicable models] All Fairlady Z (Z33, Z34) coupe models

■ Price List (One-year warranty)

Description		Suggested retail price (tax included)	Remarks
Rear differential oil cooler kit	For Z33	178,500 yen	To be marketed on August 4, 2010
	For Z34		

* The price includes the installation labor charge. It does not include the charge for the differential oil or LLC. They will be charged separately. ^{Note}

Note: The volume of differential oil does not change even after the rear differential oil cooler kit is attached. LLC is used for cooling water.

[Notes for using kit]

- Continuous driving while the rear differential oil cooler kit is switched on should be restricted up to 30 minutes. Do not continue to drive for more than 30 minutes with the kit switched on. After driving, operate the pump when parked to fully cool the kit (for at least 20 minutes), and then start driving again.
- The kit cannot be installed with a spare tire. ^{Note 1}
- The kit cannot be used with a subwoofer in the Bose® sound system. ^{Note 1}

Note 1 When using a rear differential oil cooler kit, you will need to carry out the simple work of replacing the spare tire and subwoofer with the water tank.

* Bose® is a trademark of Bose Corporation in the USA.

3. Power steering oil cooler kit



(For Z33)



(For Z34)

The core of genuine power steering oil cooler was made larger. By increasing the heat radiation calories by approximately 1.6 times that of the genuine component, the oil temperature will be stabilized even during circuit driving.

■ Performance data

	Z33	Z34
Test vehicle	Version NISMO Type 380RS	Version NISMO
Test course	Fuji Speedway	Fuji Speedway
External temperature	20 °C	10 °C
Average lap time	2 min 05 sec range	2 min 06 sec range
Oil temperature	122 °C (cooling effect: Approx. -15 °C)	116 °C (cooling effect: Approx. -15 °C)

[Specifications]

- Aluminum alloy inner fin type
- Genuine replacement type
- Core length: 240 mm for Z33 (150 mm for genuine)
280 mm for Z34 (170 mm for genuine)

[Kit components]

- Oil cooler core + exclusive brackets ^{Note}

Note: Only the core for Z33.

[Applicable models] All Fairlady Z (Z33, Z34) models

■ Price List (One-year warranty)

Description		Suggested retail price (tax included)	Remarks
Power steering oil cooler kit	For Z33	28,350 yen	
	For Z34	31,500 yen	

* The price includes the installation labor charge. It does not include the charge for power steering fluid. It will be charged separately. ^{Note}

Note: When the power steering oil cooler is attached, the volume of power steering fluid used will increase a little.

4. Radiator kit



(For Z33)



(For Z34)

This kit uses a genuine-specification radiator with high cooling effects to be use for tropical areas. For Z33, it had been used as Fairlady Z Version NISMO Type 380RS, and it has already demonstrated its high cooling performance.

[Performance data]

For Z33: Cooling effect increased 7% (when compared with genuine domestic specifications)

For Z34: Cooling effect increased 5% (when compared with genuine domestic specifications)

[Kit components]

- Radiator
- Genuine hose
- NISMO racing radiator cap (only for Z33)
- Radiator shroud with fan (only for Z33)

【Applicable models】

- All Fairlady Z (Z33) ('07 Jan and later) M/T models ^{Note 1}
- Note 1 The Fairlady Z Version NISMO Type 380RS is equipped with the radiator as standard.
- All Fairlady Z (Z34) M/T models

■ Price List (One-year warranty)

Description		Suggested retail price (tax included)	Remarks
Radiator kit	For Z33	168,000 yen	VQ35HR, exclusively for M/T models
	For Z34	147,000 yen	Exclusively for M/T models

* The price includes the installation labor charge. It does not include the charge for LLC or air-conditioner refrigerant. ^{Note}

Note: When attaching the radiator kit, LLC must be replaced (the volume used will increase a little). For 34, the air-conditioner refrigerant must be discharged and recharged.