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MAZDASPEED Protégé Owner's Manual Addendum

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A WORD TO MAZDASPEED PROTEGÉ OWNERS

Congratulations on your ownership of the MAZDASPEED Protégé. This limited-production version of the Mazda Protégé is engineered for enhanced performance and appearance.

Due to the specially equipped performance and appearance features of this vehicle, this owner's manual addendum has been published to provide you with the necessary information for those special features. Other information common to all Protégé models can be found in the main owner's manual. To help ensure enjoyable and trouble-free operation of your MAZDASPEED Protégé, please read both manuals carefully and follow its recommendations.

OPERATING TIPS FOR TURBOCHARGED VEHICLES

MAZDASPEED Protégé's turbocharger greatly enhances engine power. Its advanced design provides better operation and requires minimum additional maintenance. To get maximum performance from your turbocharged engine, take note of the following tips:

- The turbocharged engine is designed for optimal operation with premium unleaded gasoline. Do not use fuel with a lower octane rating. Extra fuel additives are NOT recommended.
- Change the engine oil and filter using the turbo engine interval outlined the maintenance schedule (for your driving condition).
- Use engine oil with API SL or ILSAC GF-3 service grade (or higher). Extra oil additives are NOT recommended.
- After driving at freeway speeds or up a long hill, idle the engine at least 30 seconds to cool the turbo. Avoid simply shutting the engine off abruptly after a hard or long drive. Damage to the turbocharger may result.
- Don't race or over-rev the engine when starting. This should not be done with ANY engine, especially not with one that's turbocharged.
- Do not add any aftermarket devices to alter the engine's ignition timing, fuel delivery, or turbo boost pressure. This may lead to serious engine damage and may void your warranty.

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RECOMMENDED OIL

Oil container labels provide important information.



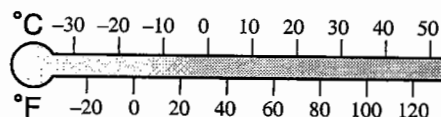
(ILSAC)

The quality designation **SL** or **ILSAC** must be on the label.

Engine oil viscosity, or thickness, has an effect on fuel economy and cold-weather operation (starting and oil flow).

Low-viscosity engine oils can provide improved fuel economy and cold-weather performance.

But high-temperature weather conditions require higher-viscosity engine oils for satisfactory lubrication.



5W-30

10W-30

When choosing an oil, consider the temperature range your vehicle will operate in before the next oil change.

Then select the recommended viscosity from this chart.

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⚠ CAUTION

Using oils of viscosity besides those recommended for specific temperature ranges could result in engine damage.

Energy conserving oils are recommended. A chief contribution they make to fuel economy is reducing the amount of fuel necessary to overcome engine friction.

FUEL REQUIREMENTS

Your MAZDASPEED Protégé should use only premium unleaded fuel: 91 [(R+M)/2 method] or above (96 RON or above).

TIRE CHAINS

Use of tire chains on your MAZDASPEED Protégé could cause interference with the vehicle body and scratching. If tire chains are to be used, replace both front and rear tires with P195/50R16 tires. Please consult an Authorized Mazda Dealer.

UNIDIRECTIONAL TIRE INFORMATION

Your MAZDASPEED Protégé is originally equipped with unidirectional tires. The direction of tire rotation, which is determined by the directional tread pattern, affects the tire's performance, such as in wet conditions. Unidirectional tires must be installed according to the rolling direction marks. These marks are molded into the side wall of the tires.

⚠ CAUTION

Directional tires cannot be rotated side to side (such as right side of the vehicle to the left, or vice versa), or tire performance may be reduced in wet conditions. Rotate unidirectional tires only from front to rear.

TEMPORARY SPARE TIRE

Your MAZDASPEED Protégé is equipped with a limited-slip differential for the front drive axles and is designed to operate optimally when both front tires are of equal diameter. However, the diameter of the temporary spare tire is smaller than the conventional tires. Due to this, mounting the spare tire to any front axle positions should be avoided, whenever possible and safe. Refer to the main owner's manual for information regarding the spare tire.

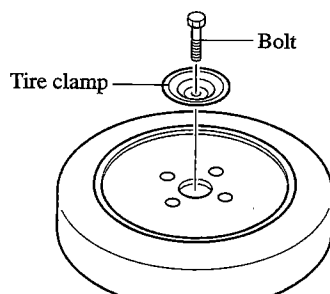
⚠ CAUTION

This temporary spare tire's diameter is smaller than the conventional tire. Avoid mounting this spare tire to any front axle positions, whenever possible and safe.

Due to the special limited-slip front differential, this temporary spare is recommended to be used in the rear axle positions only. Prolonged driving with the temporary spare tire in any front axle positions may cause possible damage to the limited-slip differential assembly.

NOTE

Secure the spare tire using the hold-down bolt and tire clamp in the correct position as illustrated.



AUDIO SYSTEM

Your MAZDASPEED Protégé is upgraded with a high-performance audio system from Kenwood Car Audio. This system features a special head unit capable of playing back an MP3 encoded compact disc. In addition, the system is equipped with a dedicated amplifier to power the trunk-mounted subwoofer. Please refer to additional reference guides supplied by Kenwood regarding the operation of this audio system.

▼ Rear Window Antenna

The rear window antenna receives both AM and FM signals.

⚠ CAUTION

When washing the inside rear window, use a soft cloth dampened in lukewarm water, gently wiping the antenna lines. Use of glass cleaning products could damage the antenna.

SPECIFICATIONS

Spark-plug number		NGK	PZFR6F
Spark-plug gap		0.7—0.8 mm (0.028—0.031 in)	
Engine oil		API service SL or ILSAC GF-3	
Dimensions	Overall length	4,445 mm (175.0 in)	
	Overall width	1,705 mm (67.1 in)	
	Overall height	1,410 mm (55.5 in)	
	Front tread	1,455 mm (57.2 in)	
	Rear tread	1,460 mm (57.4 in)	
	Wheelbase	2,610 mm (102.8 in)	
Weights	GVWR (Gross Vehicle Weight Rating)		1,674 kg (3,691 lb)
	GAWR (Gross Axle Weight Rating)	Front	889 kg (1,960 lb)
		Rear	785 kg (1,731 lb)
	CW (Curb Weight)		1,273 kg (2,807 lb)
Tires	Standard tire	215/45ZR17 88W	220 kPa (2.2 kgf/cm ² , 32 psi or lb/po ²)
	Temporary spare tire	T135/70 D15	420 kPa (60 psi)

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SCHEDULED MAINTENANCE

Follow Schedule 1 if the vehicle is operated in USA where none of the following conditions mainly apply.
If any do apply, follow Schedule 2 (Canadian residents follow Schedule 2 in all conditions).

- Repeated short-distance driving
- Driving in dusty conditions
- Driving with extended use of brakes
- Driving in areas where salt or other corrosive materials are used
- Driving on rough or muddy roads
- Extended periods of idling or low-speed operation
- Driving for long periods in cold temperatures or extremely humid climates

▼ Chart symbols:

- I** : Inspect and repair, clean, adjust, or replace if necessary.
(Oil-permeated air filter cannot be cleaned using the air-blow method.)
R : Replace
L : Lubricate

▼ Chart remarks:

After the prescribed period, continue to follow the described maintenance at the recommended intervals.

Refer below for a description of items marked* in the maintenance chart.

*¹: According to state / provincial and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or mileage / kilometer period to ensure long-term reliability.

*²: If the vehicle is operated in cold districts { below -18 degrees C (0 degrees F) }, replace the timing belt at 96,000 km (60,000 miles).

*³: Use only engine oils with API SL or ILSAC GF-3 service grade (or higher). Recommended viscosity index is 5W-30 or 10W-30 (depending on climate conditions).

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Schedule 1: Maintenance Chart

Maintenance Interval (Number of months or kilometers (miles), whichever comes first)	Months ×1000 km	6 12	12 24	18 36	24 48	30 60	36 72	42 84	48 96
	×1000 miles	7.5 15	15 30	22.5 45	30 60	37.5 75	45 90	52.5 105	60 120

ENGINE

Engine valve clearance									I
Engine timing belt	Inspect at 96,000km (60,000 miles) Replace every 168,000 km (105,000 miles)								
Drive belts (tension)				I					I
Engine oil* ³	Turbo engine	Replace every 8,000 km (5,000 miles) or 5 months							
Oil filter	Turbo engine	Replace every 8,000 km (5,000 miles) or 5 months							

COOLING SYSTEM

Cooling system				I					I
Engine coolant	Replace at first 72,000 km (45,000 miles) or 36 months ; every 48,000 km (30,000 miles) or 24 months thereafter								

FUEL SYSTEM

Idle speed				I					I
Air filter				R					R
Fuel lines and hoses* ¹				I					I
Hoses and tubes for emission* ¹									I

IGNITION SYSTEM

Spark plugs				R					R
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CHASSIS and BODY

Brake lines, hoses and connections				I					I
Disc brakes				I					I
Steering operation and linkages				I					I
Front suspension ball joints				I					I
Driveshaft dust boots				I					I
Bolts and nuts on chassis and body				I					I
Exhaust system heat shields				I					I
All locks and hinges	L	L	L	L	L	L	L	L	L

AIR CONDITIONER SYSTEM (if equipped)

Refrigerant amount		I		I		I			I
Compressor operation		I		I		I			I

*¹ According to state / provincial and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or mileage / kilometer period to ensure long-term reliability.

*³ Use only engine oils with API SL or ILSAC GF-3 service grade (or higher). Recommended viscosity index is 5W-30 or 10W-30 (depending on climate conditions).

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Schedule 2: Maintenance Chart

Maintenance Interval (Number of months or kilometers (miles), whichever comes first)	Months	4	8	12	16	20	24	28	32	36	40	44	48
	×1000 km	8	16	24	32	40	48	56	64	72	80	88	96
	×1000 miles	5	10	15	20	25	30	35	40	45	50	55	60

ENGINE

Engine valve clearance													I
Engine timing belt *2	Inspect at 96,000 km (60,000 miles) Replace every 168,000 km (105,000 miles)												
Drive belts (tension)							I						I
Engine oil *3	Turbo engine	Replace every 3,000 miles (5,000 km) or 3 months											
Oil filter	Turbo engine	Replace every 3,000 miles (5,000 km) or 3 months											

COOLING SYSTEM

Cooling system							I						I
Engine coolant	Replace at first 45,000 miles (72,000 km) or 36 months ; and every 30,000 miles (48,000 km) or 24 months, thereafter												
Engine coolant level	I	I	I	I	I	I	I	I	I	I	I	I	I

FUEL SYSTEM

Idle speed						I							I
Air filter			I*1			R			I*1				R
Fuel lines and hoses *1						I							I
Hoses and tubes for emission *1													I

IGNITION SYSTEM

Spark plugs						R							R
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ELECTRICAL SYSTEM

Function of all lights	I	I	I	I	I	I	I	I	I	I	I	I	I
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*1 According to state / provincial and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or mileage / kilometer period to ensure long-term reliability.

*2 If the vehicle is operated in cold districts { below -18 degrees C (0 degrees F) }, replace the timing belt at 96,000 km (60,000 miles).

*3 Use only engine oils with API SL or ILSAC GF-3 service grade (or higher). Recommended viscosity index is 5W-30 or 10W-30 (depending on climate conditions).

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Maintenance Interval (Number of months or kilometers (miles), whichever comes first)	Months	4	8	12	16	20	24	28	32	36	40	44	48
	×1000 km	8	16	24	32	40	48	56	64	72	80	88	96
	×1000 miles	5	10	15	20	25	30	35	40	45	50	55	60

CHASSIS and BODY

Brake lines, hoses and connections							I						I
Brake and clutch fluid level	I	I	I	I	I	I	I	I	I	I	I	I	I
Disc brakes				I			I			I			I
Tire inflation pressure and tire wear	I	I	I	I	I	I	I	I	I	I	I	I	I
Steering operation and linkages							I						I
Power steering fluid level	I	I	I	I	I	I	I	I	I	I	I	I	I
Front suspension ball joints							I						I
Driveshaft dust boots							I						I
Bolts and nuts on chassis and body				I			I			I			I
Exhaust system heat shields							I						I
All locks and hinges	L	L	L	L	L	L	L	L	L	L	L	L	L
Washer fluid level	I	I	I	I	I	I	I	I	I	I	I	I	I

AIR CONDITIONER SYSTEM (if equipped)

Refrigerant amount				I			I			I			I
Compressor operation				I			I			I			I