




F17	AS00.00-X-1000Z	Special tools	28.6.99
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AS00.00-Z-0005-01A	Risk of accident as a result of vehicle starting off when engine is running. Risk of injury as a result of bruises and burns if you insert your hands into engine when it is being started or when it is running.	Secure vehicle to prevent it from moving off. Wear closed and close-fitting work clothes. Do not grasp hot or rotating parts.	G17
AS20.00-Z-0001-01A	Risk of injury to skin and eyes from scalding from hot coolant which splashes out. Risk of poisoning from swallowing coolant.	Do not open the cooling system unless the coolant temperature is below 90 °C. Open cap slowly and allow the pressure to release. Do not pour coolant into containers for drinks. Wear protective gloves, protective clothes, and eye protection.	J17



G17 AS00.00-Z-0005-01A	Risk of accident as a result of vehicle starting off when engine is running. Risk of injury as a result of bruises and burns if you insert your hands into engine when it is being started or when it is running.	Secure vehicle to prevent it from moving off. Wear closed and close-fitting work clothes. Do not grasp hot or rotating parts.	 Danger!
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Possible dangers

Risk of accident

from vehicle starting off during starting operation (e.g. when testing compression pressure) as a result of gear engaged or when engine running and vehicles with automatic transmission as a result of selector lever position "P" or "N" not engaged (exception: some vehicles do not have a selector lever position "P").

Risk of injury


Severe injuries may be caused by freely rotating parts in the area of the running engine. The heat produced by the engine when it is operating can result in severe burns if contact is made with individual, unshielded parts.

Rules of conduct / Protective measures

- As a general rule, carry out work on the running engine only if this is absolutely essential.
- Before starting the engine, **apply parking brake.**
- On models with manual transmission, **move gearshift lever into Neutral position.**
- On models with automatic transmission, **move selector lever into position "P" or "N"** (exception: some vehicles do not have a selector lever position "P").
- On models which do not have selector lever position "P", **secure selector lever to prevent it from being operated unintentionally.**
- Wear closed and close-fitting work clothes.
- Take off any jewelry, such as chains, rings etc.
- If you have long hair, wear a suitable head cover.
- Before commencing work on the running engine, check to obtain a general picture of the positioning of parts which may be hot.
- When carrying out work when starting the engine or when engine is running, **do not touch any hot and rotating parts.**

**First aid measures in the event of burns**

- Do not rub the skin areas affected; flush with plenty of cold water and cover skin with sterile bandages.
- Immediately consult a physician.

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Possible dangers

Risk of injury

The cooling system is pressurized when the engine is warm. **Risk of scalding** from hot coolant which splashes out if the cooling system is opened suddenly.

Risk of poisoning

If coolant is swallowed, the person affected is likely to show signs of poisoning such as headaches, giddiness and stomach aches, paralysis of the respiratory system, unconsciousness, nausea, and convulsions.

Protective measures/rules of conduct

- Allow cooling system to cool down to a coolant temperature of less than 90 °C.
- Open coolant system cap slowly; open a conventional type of coolant system cap to the first detent and open a screw-type coolant system cap about 1/2 turn, and allow the pressure to release.
- Wear protective gloves, protective clothes, and eye protection.
- Do not pour coolant into containers for drinks.

First aid measures

- Pour large quantities of cold water over the affected area of skin and cover over with sterile bandages.
- Have person affected drink plenty of water to which medicinal carbon has been added.
- Consult a doctor if the person affected has severe burns or has swallowed considerable quantities.