

EXPANSION BOTTLE: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Remote operation pliers for hose clips.

Mot. 1448

Pipe clamps.

Ms. 583



WARNING

■ To avoid all risk of damage to the systems, apply the safety and cleanliness instructions and operation recommendations before carrying out any repair:

- [Vehicle: Precautions for the repair](#) .



WARNING

When working in the engine compartment, take care as the radiator fan(s) may start up unexpectedly (risk of being cut).

■ To avoid any risk of serious burns when the engine is hot:

- do not open the expansion bottle cap,
- do not drain the cooling system,
- do not open the bleed screw(s).



CAUTION

Prepare for the flow of fluid, and protect the surrounding components.

Location and specifications (tightening torques, parts always to be replaced, etc.) [\(see 19A, Cooling, Coolant circuit assembly: Exploded view\)](#) .

REMOVAL

1. REMOVAL PREPARATION OPERATION

WARNING

DANGER: HIGH VOLTAGE VEHICLE.

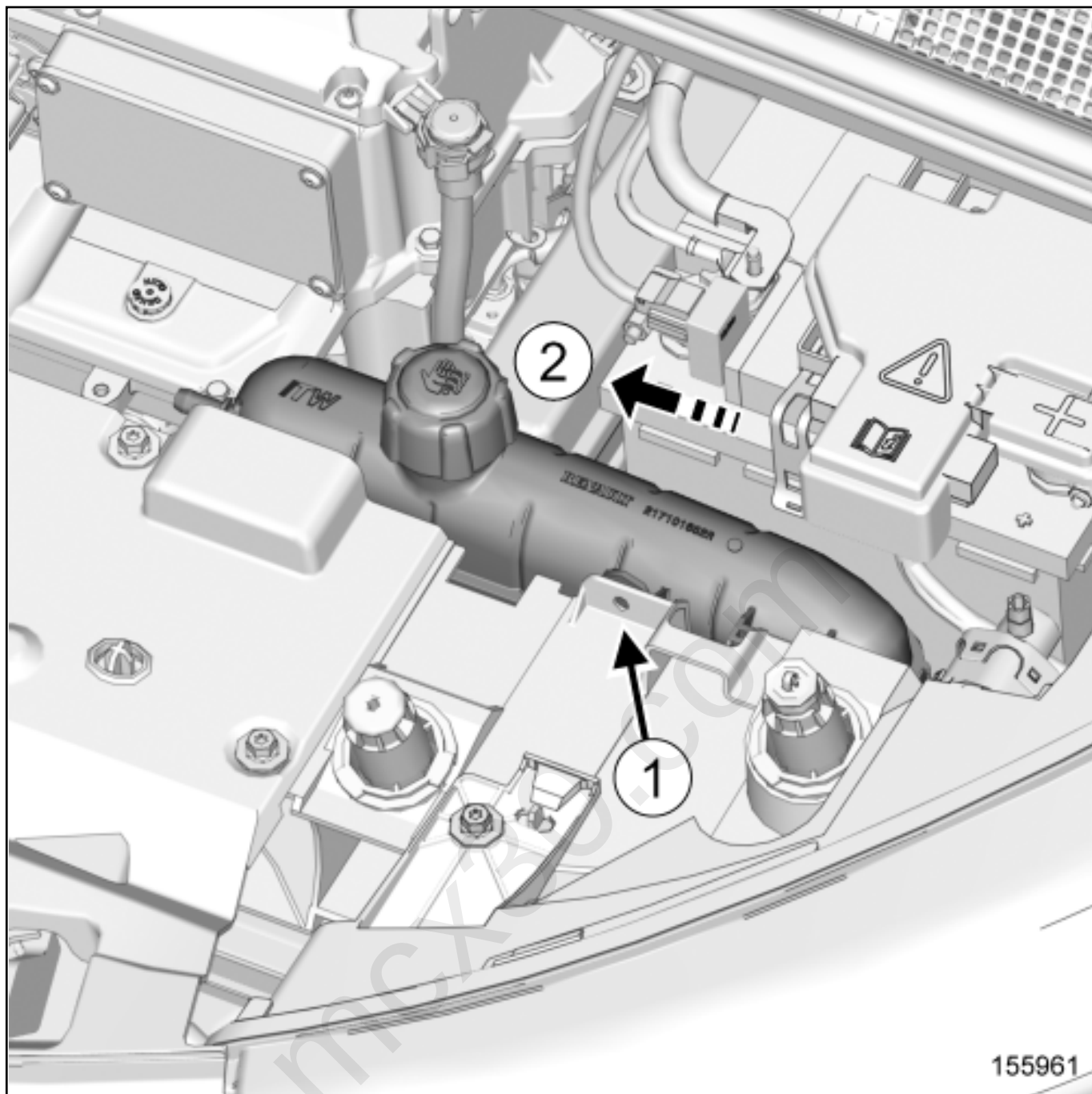


Risks of serious burns or electric shocks that may prove fatal.

Before carrying out any work on the vehicle, it is essential that you follow the instructions regarding vehicle lockout. This work must be carried out by an employee who is qualified and authorised to work on a high-voltage onboard network [Vehicle: Precautions for the repair](#) .

- ❑ Lockout the vehicle [Vehicle: Lockout - Removal of lockout](#) .
- ❑ Remove the expansion bottle clip [\(see 19A, Cooling, Coolant circuit assembly: Exploded view\)](#) .
- ❑ Fit the toolPipe clamps. [\(Ms. 583\)](#) on the degassing hose [\(see 19A, Cooling, Coolant circuit assembly: Exploded view\)](#) .
- ❑ Move the clip from the degassing hose using the toolRemote operation pliers for hose clips. [\(Mot. 1448\)](#) [\(see 19A, Cooling, Coolant circuit assembly: Exploded view\)](#) .
- ❑ Disconnect the degassing hose from the expansion bottle [\(see 19A, Cooling, Coolant circuit assembly: Exploded view\)](#) .

2. REMOVAL OPERATION



- Remove the expansion bottle clip(1) .
- Unclip the expansion bottle in the direction of arrow(2) .
- Fit the toolPipe clamps.(Ms. 583) on the expansion bottle outlet hose(see 19A, Cooling, Coolant circuit assembly: Exploded view) .
- Move the clip from the expansion bottle outlet hose using the toolRemote operation pliers for hose clips. (Mot. 1448) (see 19A, Cooling, Coolant circuit assembly: Exploded view) .
- Disconnect the expansion bottle outlet hose from the expansion bottle(see 19A, Cooling, Coolant circuit assembly: Exploded view) .

- Remove the expansion bottle([see 19A, Cooling, Coolant circuit assembly: Exploded view](#)) .

REFITTING

1. REFITTING OPERATION

- Proceed in the reverse order to removal.
- Remove the lockout of the vehicle[Vehicle: Lockout - Removal of lockout](#) .
- Bleed the cooling system([see 19A, Cooling, Cooling system: Draining - Refilling](#)) .



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