PART NUMBER: A0910AS100

DESCRIPTION: ENGINE BLOCK HEATER KIT

TOOLS REQUIRED:

- 14mm Allen
- 27mm
- 10mm
- High Temperature Gasket Compound

Meaning of Characters:

- →: Remove
- ←: Install
- ↔: Disconnect
- ↬: Connect
- ○: Location of Clip or Screw
- : View
- : Manual
- ↑: Tightening Torque
- ←: Loosen
- : Discard
- : Recyclable
ELEMENT INSTALLATION:
Remove the engine underguard if applicable.

In some applications, when attempting to remove the 36mm core plug, it may be necessary to remove some portions of the exhaust system to gain access to the core plug. In these cases, it is strongly recommended that you replace any exhaust gaskets that were removed.

Remove the 36mm core plug in the left hand bottom (right bottom for the H6 engine) front of the engine block with a 14mm Allen socket and then drain the cooling system.

Coat the threads of the heater element with high temperature gasket compound and install insuring that the heater gasket is in position.
CAUTION: When refilling after draining coolant open the "bleeder plug" to prevent air pockets. Refer to Owners Manual for correct procedure.

POWER CORD ROUTING:
Route cord through the plug protector and secure to the lower grill bumper.

Engine Compartment Harness Routing: (4 Cylinder Models)
Route the harness around radiator towards the driver's side frame rail. Attach the harness to the frame rail (one place) using the clips provided and route harness across to the lower radiator support. Clip harness to the radiator support and plug harness into the engine heater. NOTE: there will be one unused clip between the radiator support and the engine block heater. Use tie-wrap provided to attach to the dipstick housing bracket.

Engine Compartment Harness Routing: (4 Cylinder Turbo Models)
Route the harness around radiator towards the driver's side frame rail. Attach the harness to the frame rail using the plastic covered clip provided and route harness to the engine support subframe. Route harness across subframe from above anti-roll bar mount to center of subframe using the attachment clips provided (2 places). Plug harness into engine block heater.

Engine Compartment Harness Routing: (6 Cylinder Models)
Route the harness around the radiator towards the passenger's side frame rail. Clip the harness into place along the frame rail (3 places). Plug harness into engine block heater.
11 Lower Bumper Harness Routing:
Route cord through an opening in the lower L.H. or R.H. side of the bumper grille.
Attach the harness to the lower A/C condensor mount or temperature sensor mount using tie-wrap provided as applicable.

12 NOTE: Ensure that the cord does not hang below the vehicle and does not contact the exhaust components.

13 Reinstall engine underguard in reverse order of removal.

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16 WARNING
Before connecting heater to power source, make certain element is immersed in coolant. NEVER energize heater in air. If so energized, element sheath could burst causing personal injury.