



Quality, innovation and customer care, it's in our nature



Installation manual



MAKE OF AUTOMOBILE:
TYPE:
PISTON DISPLACEMENT:
NUMBER OF VALVES:
ENGINE NUMBER:
TYPE VSI INJECTOR (COLOR)
MODEL YEAR:
ENGINE SET NUMBER

NISSAN
NOTE
1600cc
16V
HR16DE
orange
2007
356/0101000.7

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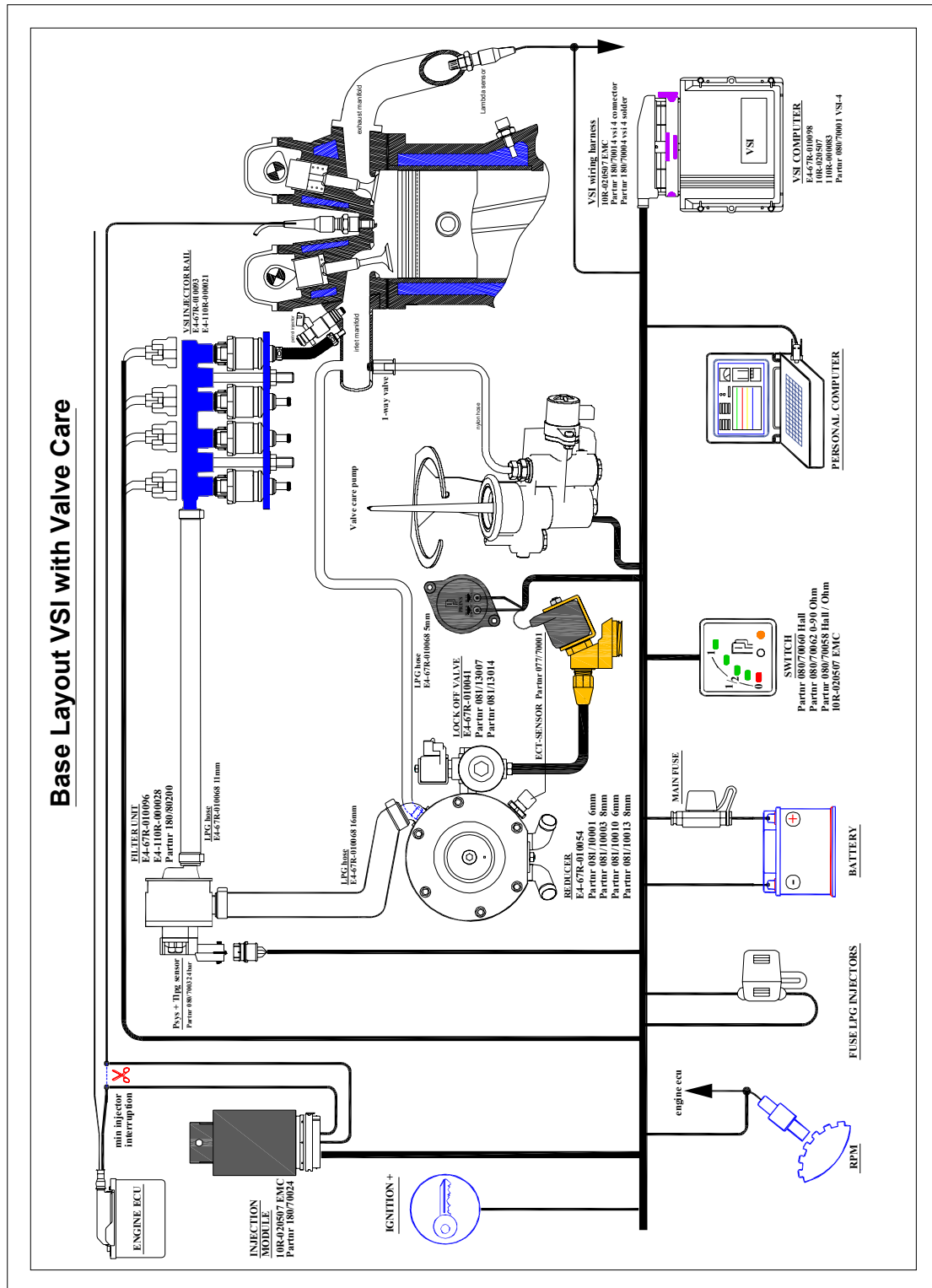
Required equipment / tools / materials for installing a complete system

- Complete workshop toolbox (wrenches, screwdrivers, cutters, pliers, ratchet, sockets)
- Portable computer : operating on Windows 98, W2000 or XP.
 - Internal memory : 16 Mb or more
 - Memory HD space : 5MB
 - Screen : 256 colours, advise colours 16 bits or more
 - Com port : 1 free COM port 1 or COM port 2 with a 9 or 25 pins connector
- Vehicle fuel system scan tool or OBD scan tool Prins (part nr. 099/99928)
- Valve care interface cable
- Valve care software
- Valve care air-breather pipe
- Multimeter
- Prins VSI diagnostic software
- Prins VSI serial interface
- Prins VSI break out box (part nr. 080/70090)
- Portable light
- Assortment drill bits 4 to 12 mm
- Portable drill or pneumatic drill
- Threading device (male M6x1)
- Air gun
- Soldering iron, soldering tin
- Wire-stripping pliers
- Adhesive tape
- Adhesive sealant
- Thread locking compound

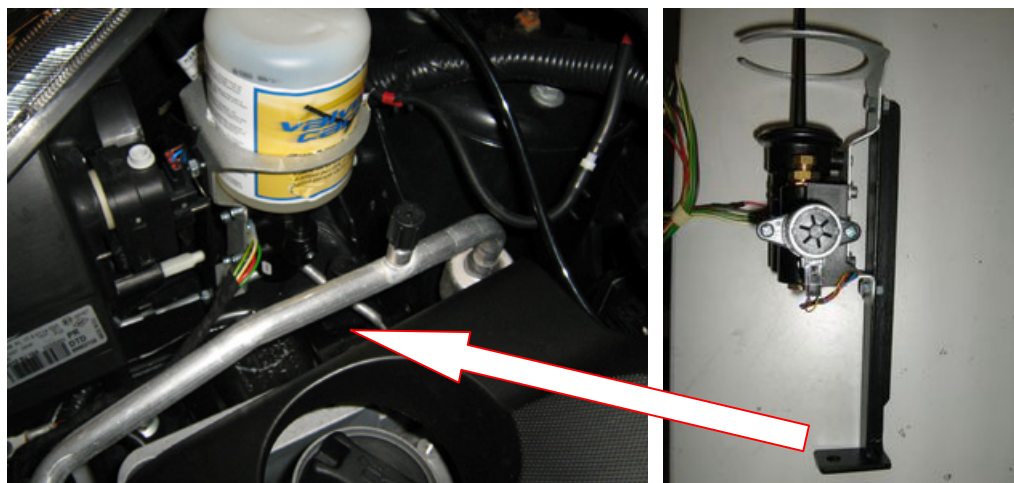
Vehicle check

- Check the vehicle drivability on petrol
- Check the fuel system for error codes (scan tool)
- Check if the catalytic converter is in good condition (exhaust gas analyzer)

Base Layout VSI with Valve Care



Mounting the Valve Care unit



Mount the valve care bracket with the original bolt.

Valve Care nylon hose routing



Drill a hole of Ø5mm and cut M6x1 thread into the manifold
Mount the valve in the manifold with lock compound.

Length of hose, Ø 6 mm	Valve care pump -> 1 way valve	= ± 125cm
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Please observe that there is no damage or fouling to the hoses.

Electrical connections

Check and measure the wiring in case of changes in the cars wiring colors.

Valve care cable	Connection
Green	Wire color : green Wire location : VSI ecu pin. 44
White-yellow	Wire color : white-yellow Wire location : VSI ecu pin. 39
Brown	Wire color : brown Wire location : VSI ecu pin. 50
Green-yellow	Wire color : green-yellow Wire location : VSI ecu pin. 53
Red	Wire color : grey-white Wire location : VSI ecu pin. 13

