CRUISE CONTROL - Description

The cruise control function allows the car to be driven at the required speed without pressing the accelerator pedal. This reduces driver fatigue on motorways, particularly on long trips, because the set speed is maintained automatically.

The Cruise Control function is controlled by the engine management unit by means of a Cruise Control switch located to the left of the steering wheel.

The cruise control can only be activated if the car speed is over 30 km/h; when the function is switched on, the warning light on the instrument panel comes on.

The function is automatically deactivated in the following cases:

- by pressing the brake pedal;
- by pressing the clutch pedal;
- by inadvertently moving the automatic transmission lever to position N.

When the ignition key is turned to STOP or the switch on the lever is turned to OFF , the saved speed is deleted and the system is deactivated.

The Cruise Control power supply lines are protected by two fuses in the junction unit.

CRUISE CONTROL - Functional description

The Cruise Control function is controlled by engine management unit M10 upon a command from the Cruise Control switch H7 located to the left of the steering wheel.

Control H7 is ignition-operated (INT/A) from a line protected by fuse F5 in junction unit B1 .
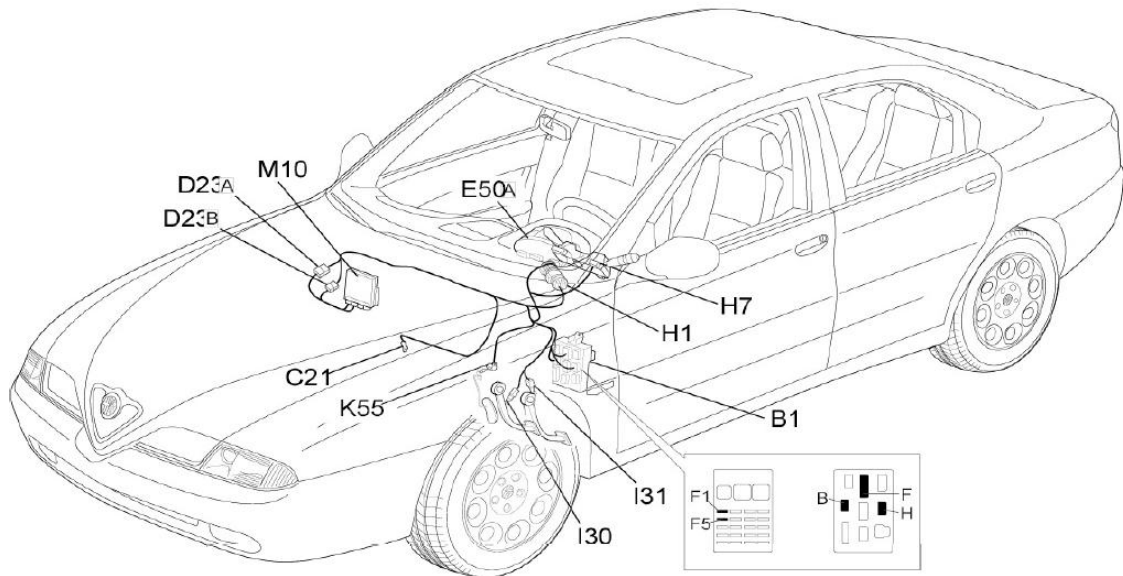
Control H7 is connected to management unit M10:

- to pin 22 of connector B, with 'OFF' signal
- to pin 20 of connector B, with 'RECALL' signal
- to pin 14 of connector B, with SET + signal
- to pin 16 of connector B, with SET - signal

Pin 23 of connector D of M10 receives a signal from the second contact of brake light switch I30, ignition-operated (INT/A) through a line protected by fuse F1 in junction unit B1 .
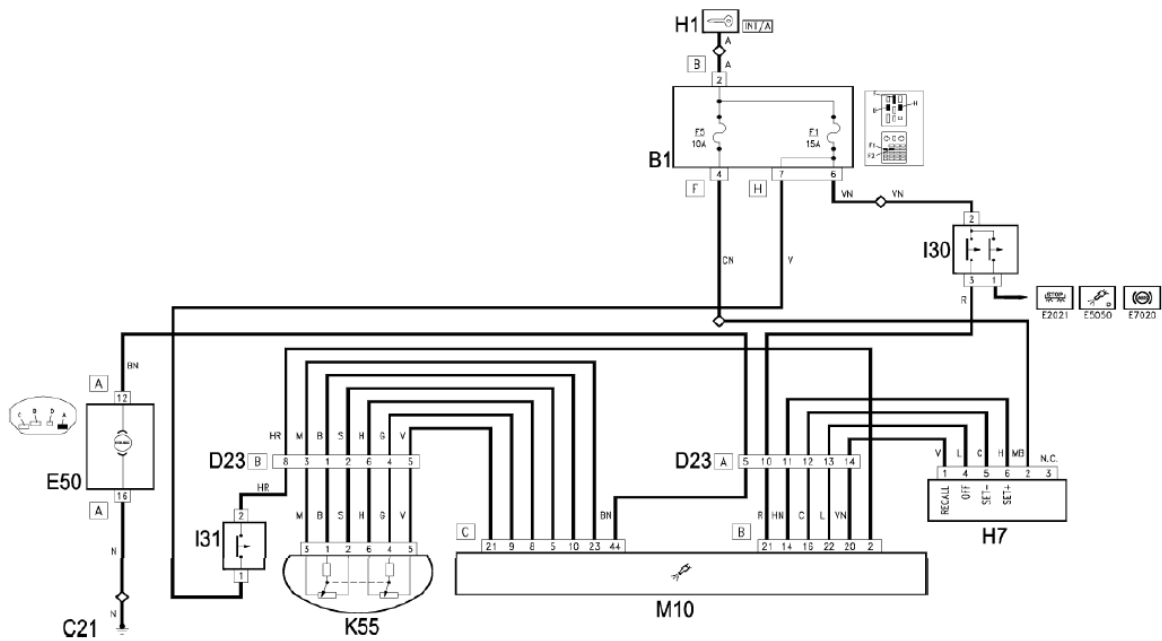
For management of the Cruise Control function, the control unit also uses a signal from pin 2 of connector D of M10 from clutch pedal switch l31 - supplied by ignition-operated power supply (INT/A) via a line protected by fuse F1 in junction unit B1 - and signals from accelerator pedal potentiometer K55 connected to pins 5, 8, 9, 10, 21 and 23 of connector C of M10 . (E5050 DIESEL ENGINES ELECTRONIC MANAGEMENT)

Engine management unit M10 , sends a signal - pin 44 of connector C to instrument E50 - pin 12 of connector A - which turns on the CRUISE warning light when the system is working.

CRUISE CONTROL - Location of components

Component code	Name	Assembly reference
B1	Junction unit	5505A
B2	Dashboard junction unit (CPL)	-
B2	Junction unit	-
B2	Junction unit	5505A
B99	Battery fuses junction unit (CBA)	5530B
C10	Front left earth	-
C15	Facia earth, driver's side	-
C21	Dashboard earth on Air Bag bracket	-
C21	Passenger side dashboard earth	-
D1	Dashboard-i.e coupling.	-
D1	Front-dashboard coupling	-
D6	Rear - front coupling	-
D19	Dashboard / battery coupling	-
D23	Dashboard-i.e coupling.	-
D49	Pedal assembly join	1060G
E50	Instrument panel	-
E50	Instrument panel	5560B
H1	Ignition switch	5520A
H7	Cruise Control	5580A
I30	Brake pedal switch	5550D
I31	Clutch pedal switch	1060G
I31	Clutch pedal switch	5550D
I31	Clutch pedal switch	5580A
K55	Accelerator pedal potentiometer	1068A
M10	Engine management control unit	-
M10	Engine management control unit	1056B

Component code	Name	Assembly reference
B1	Junction unit	5505A
B2	Dashboard junction unit (CPL)	-
B2	Junction unit	-
B2	Junction unit	5505A
B99	Battery fuses junction unit (CBA)	5530B
C10	Front left earth	-
C15	Facia earth, driver's side	-
C21	Dashboard earth on Air Bag bracket	-
C21	Passenger side dashboard earth	-
D1	Dashboard-i.e coupling.	-
D1	Front-dashboard coupling	-
D6	Rear - front coupling	-
D19	Dashboard / battery coupling	-
D23	Dashboard-i.e coupling.	-
D49	Pedal assembly join	1060G
E50	Instrument panel	-
E50	Instrument panel	5560B
H1	Ignition switch	5520A
H7	Cruise Control	5580A
I30	Brake pedal switch	5550D
I31	Clutch pedal switch	1060G
I31	Clutch pedal switch	5550D
I31	Clutch pedal switch	5580A
K55	Accelerator pedal potentiometer	1068A
M10	Engine management control unit	-
M10	Engine management control unit	1056B