



A5.2.7 Inclination sensor

Located adjacent to the SLCM under the luggage compartment LH side liner to give indication of unauthorized jacking / lifting of the vehicle.

A5.2.8 Intrusion sensors

Located above each front door to give indication of unauthorized entry into the vehicle passenger compartment.

A5.2.9 Reader exciter coil

Forms an integral part of the ignition switch to prove correct key insertion by communicating key transponder signal to control module.

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A5.2.10 Reader exciter module

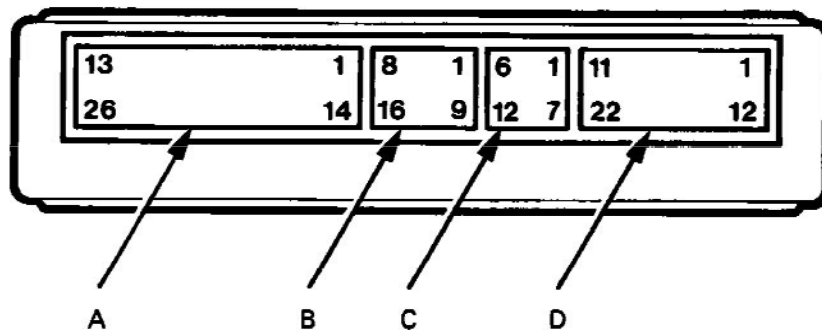
Located on the steering column to receive signals from the reader / exciter coil and disarm the engine immobilization system on correct demand.

A5.2.11 Security active indicator

An LED built into the central locking switch to indicate when security system is armed.

A5.2.12 Security and locking control module

Located in the luggage compartment below the LH side liner. Controls system operation and interface with associated modules to achieve correct response to input signals.



Security Module Connectors in Boot

Fig.1 Control Module Connector Pins



Connections to the SLCM are detailed in the following table:

Connector A (26-way)

Pin No.	Signal	Description	Comment
01	O / P	Deadlock (front right / rear left)	switch to ground 200mA
02	O / P	Unlock driver's door	switch to ground 200mA
03			
04			
05	I / P	Vehicle speed	7600 pulses / mile
06	O / P	Inclination alarm	
07		Intelligent sounder	serial communications
08	O / P	Memory seat 2	switch to +12V for 500ms
09	O / P	Visual warning	switch to ground
10	O / P	Secure mode status	arm: 200Hz square wave \pm 5% disarm: 400Hz square wave \pm 5% duration: 64ms
11	O / P	Trunk lid release relay	switch to ground
12	I / P	Power +12V battery	+12V power supply
13	O / P	Sounder +ve	half of push pull network
14	O / P	Deadlock (front left / rear right)	switch to ground (200mA)
15	O / P	Lock relay	switch to ground (200mA)
16			
17			
18			
19	O / P	Alarm LED	switch to +12V (20mA)
20	O / P	Start inhibited	coded communication
21	O / P	Memory seat 1	switch to +12V for 500ms
22	O / P	All close	switch to ground
23	O / P	Interior lights on	switch to ground for 80ms \pm 5%
24	O / P	Horn relay	switch to ground (200ms)
25	I / P	Power ground	0V (nominal)
26	O / P	Sounder -ve	

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Connector B (16-way)

Pin No.	Signal	Description	Comment
01			
02		Intrusion sensor (RH)	ground screen
03	O / P	Intrusion sensor (RH)	40kHz
04	I / P	Intrusion sensor (RH)	signal
05	O / P	Intrusion sensor (RH)	+8V
06		Ground	
07		R.F. ground	
08		Diagnostic ISO K line	
09			
10		Intrusion sensor (LH)	ground
11	O / P	Intrusion sensor (LH)	40kHz
12	I / P	Intrusion sensor (LH)	signal
13	O / P	Intrusion sensor (LH)	+8V
14		Ground	
15	I / P	R.F. signal	
16		Diagnostic ISO L line	diagnostic link input



Connector C (12-way)

Pin No.	Signal	Description	Comment
01	I/P	Passenger door ajar	switch to ground
02	I/P	Trunk lid release external	switch to ground
03	I/P	Gearshift 'in-park' signal	not in-park = ground
04	I/P	Lock actuator status (RH)	switch to ground
05	I/P	Passenger door key unlock	switch to ground
06	I/P	Driver door key unlock	switch to ground
07	I/P	Driver door ajar	switch to ground
08	I/P	Ignition coil on (aux)	switch to ground
09	I/P	Transponder immobilization	data communications
10	I/P	Lock actuator status (LH)	switch to ground
11	I/P	Passenger door key lock	switch to ground
12	I/P	Driver door key lock	switch to ground

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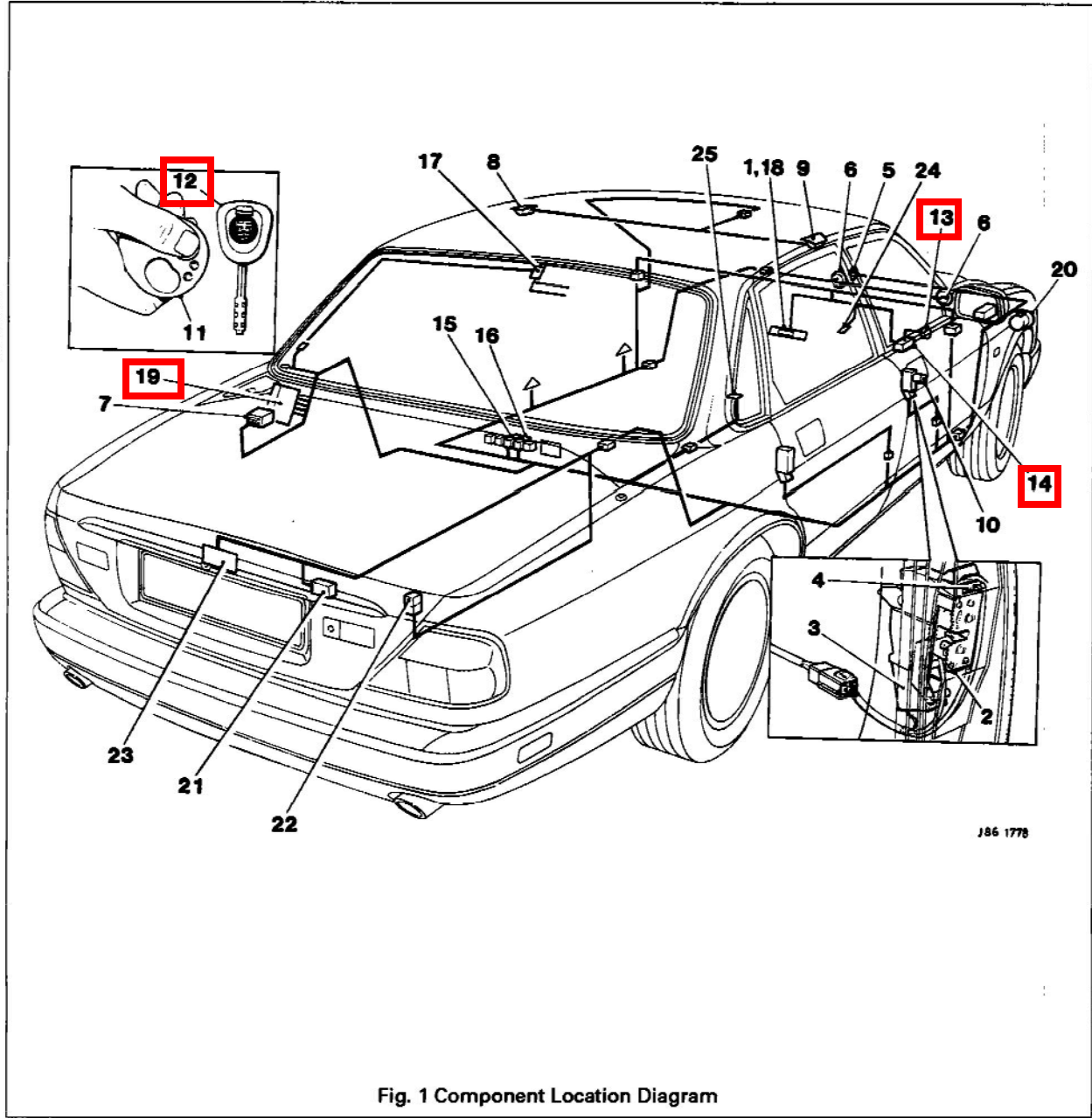
Connector D (22-way)

Pin No.	Signal	Description	Comment
01	O/P	Fuel filler flap lock	switch to ground 200mA
02			
03			
04			
05			
06	I/P	Trunk valet isolate switch	momentary switch to ground
07	I/P	Inclination alarm	
08	I/P	Trunk lid release (internal)	switch to ground
09	I/P	Hood open / ajar	switch to ground
10	I/P	Inertia switch	switch to ground
11	O/P	Transponder immobilization on	data communications
12	O/P	Memory seat remote indicator	switch to ground for 500ms
13	O/P	Headlight convenience	switch to ground for 25 seconds
14			
15			
16			
17	I/P	Ignition on	switch to ground
18	I/P	Ignition key in	switch to ground
19	I/P	Central locking switch	switch to ground
20	I/P	Trunk lid ajar	switch to ground
21	I/P	Rear doors ajar	switch to ground
22	O/P	Unlock relay	switch to ground (200mA)



Component Location Diagram

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Key to Component Locations

Item No.	Description	Access details
01	Central locking switch	part of clock module
02	Door ajar switches (4 off)	part of door latch assembly
03	Door lock actuators (4 off)	part of door assembly
04	Door lock switches (2 off)	part of door latch assembly
05	Hood switch	located above siren
06	Horn	located on front RH side of engine bay
07	Inclination sensor	behind luggage compartment LH liner
08	Intrusion sensor (LH)	located above LH door behind roof lining
09	Intrusion sensor (RH)	located above LH door behind roof lining
10	Key barrel switches (2 off)	part of door latch assembly
11	Key fob transmitter	part of key fob
12	Key transponder	part of key
13	Reader exciter coil	part of ignition switch
14	Reader exciter module	part of steering column assembly
15	Relays (deadlock)	
16	Relays (door lock / unlock)	
17	Rear screen aerial	part of rear screen
18	Security active indicator	part of central locking switch
19	Security and locking control module (SLCM)	located in luggage compartment behind LH liner
20	Sounder	located on front RH side of engine bay
21	Trunk release actuator	located in trunk latch mechanism
22	Trunk release relay	
23	Trunk lid release switch (external)	part of trunk lid
24	Trunk lid release switch (internal)	part of fascia switchpack
25	Valet switch	in centre console compartment

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A5.2 COMPONENT DESCRIPTIONS

A5.2.1 Central locking switch

The central locking switch is located on the driver's fascia switchpack and allows locking / unlocking and all close from inside the vehicle when all doors are closed.

A5.2.2 Door ajar switches

Located in each front door lock mechanism to indicate door not closed correctly.

A5.2.3 Door lock actuator and switch

Located within each front door panel assembly to provide automatic lock / unlock operation.

A5.2.4 Door lock switch

Located in each front door lock mechanism to indicate door lock / unlock state.

A5.2.5 Hood switch

Located underhood adjacent to the horn to give indication of hood not closed correctly.

A5.2.6 Horns

Located adjacent to each headlight unit and utilized as part of the full alarm application.



A5.9.10 Reader exciter coil and module

1. Check fuse F4 in trunk fuse box, if blown determine reason for rupture and renew.
2. Check harness wiring continuity as follows:

SLCM connector	Module connector	Coil connector	Function
pin 6 (16-way)	pin 19	–	ground
pin 9 (12-way)	pin 06	–	data code
pin 11 (22-way)	pin 08	–	immobilization on
–	pin 1	pin 10	coil terminal 2
–	pin 9	pin 11	coil terminal 1
–	pin 10	–	+12V
–	pin 20	–	ground

3. Measure continuity between coil pins.

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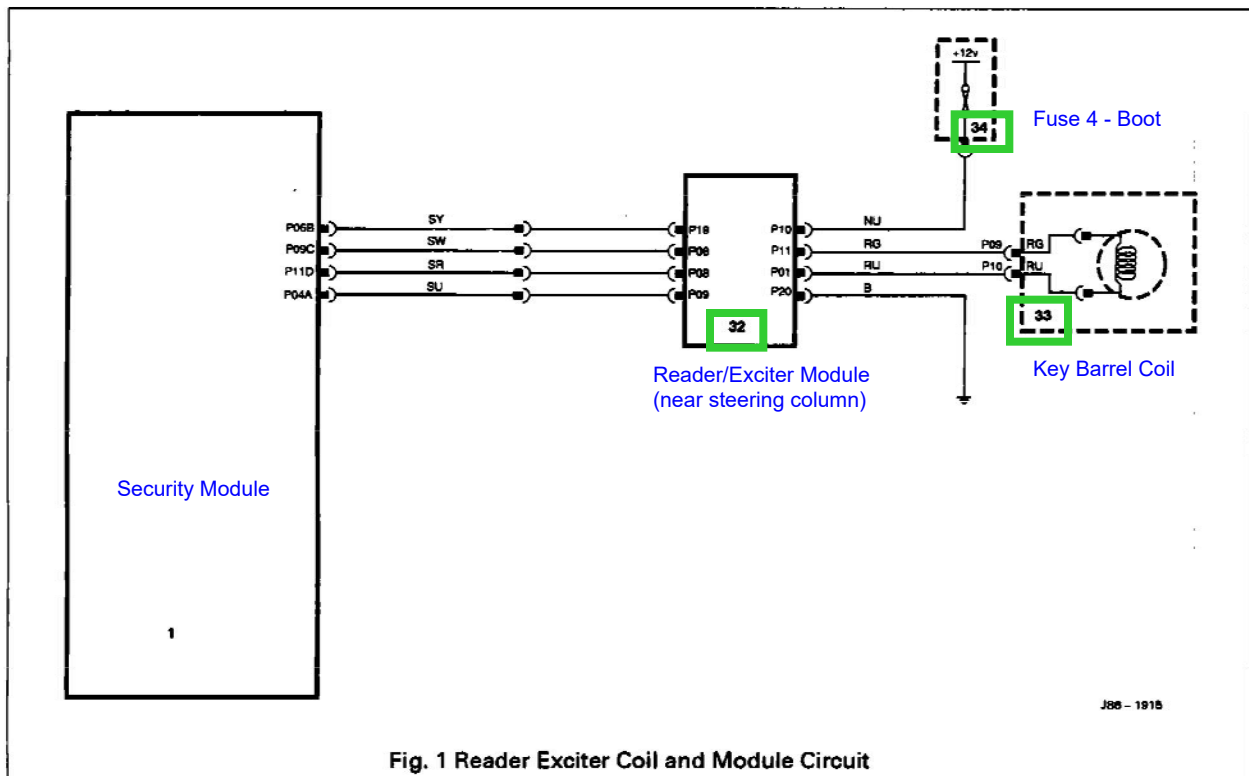


Fig. 1 Reader Exciter Coil and Module Circuit



A5.9 PIN-POINT TESTS

The following information details test procedures to identify specific component faults.

The table below provides a key to items identified on the following schematic diagrams.

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Item No.	Description	Item No.	Description
1	Security / Locking Control Module	21	Hood switch
2	Central locking switch	22	LH Engine bay fuse-box
3	Front passenger door ajar switch	23	Horn relay
4	RH rear passenger door ajar switch	24	Horn unit LH
5	LH rear passenger door ajar switch	25	Horn unit RH
6	Driver's door ajar switch	26	Horn switches
7	Driver's door lock switch	27	Inclination sensor
8	Passenger's door lock switch	28	Intrusion sensor LH
9	Driver's door unlock relay (NAS only)	29	Intrusion sensor RH
10	Non-deadlock shorting links (NAS only)	30	Passenger door key barrel switch
11	Front left / rear right deadlock relay	31	Driver's door key barrel switch
12	Front right / rear left deadlock relay	32	Reader exciter module
13	Door lock relay	33	Reader exciter coil
14	Door unlock relay	34	Trunk fuse-box
15	LH Rear door actuator and switch	35	Security active indicator
16	RH Rear door actuator and switch	36	Security sounder
17	Front door actuator lock / deadlock status switches	37	Trunk release relay
18	Driver's door actuator lock / deadlock status switches	38	Trunk release actuator
19	Driver's door unlock shorting link	39	Trunk release switch (fascia)
20	RH 'A' post base fuse-box	40	Trunk release switch
		41	Valet switch

