

## Volvo V70 V70r Xc70 Xc90 2005 Wiring Diagram

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**WIRING DIAGRAM** V70/V70R/XC70/XC90

TP 3977201

2005

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1/1	Battery	4/33	Sunroof Control Module (SRM)
2/14	Relay, glow plug unit	4/46	Engine Control Module (ECM)
2/22	Relay, climate control system	4/50	Electronic Throttle Module (ETM)
2/32	Engine management system main relay	4/52	Power driver seat module (PSM)
2/33	Relay, fuel system	4/56	Central Electronic Module (CEM)
2/35	Starter motor relay	4/58	Rear Electronic Module (REM)
2/64	Auxiliary light (accessory) relay	4/68	Steering Angle Sensor module (SAS)
2/90	Relay, windshield wiper, low/high speed	4/70	Upper Electronic Module (UEM)
2/91	Relay, intermittent windshield wiper	4/71	Cooling fan control module
2/138	Deadlock relay, left-hand rear door	4/76	Remote control unit for garage door opener
2/139	Deadlock relay, right-hand rear door	4/78	Accessory Electronic Module (AEM)
2/182	Relay, headlight washer motor	4X/78	Connector, original car interface
2/191	Relay, remote parking heater start, radio signal	4/82	Differential Electronic Module (DEM)
2/192	Relay (230V), engine heater	4/83	Fuel pump control module
3/1	Ignition switch	4/84	Suspension Module (SUM)
3/4	Cruise control switch (SWS)	4/86	Parking Assistance Module (PAM)
3/6	Hazard warning flasher switch	4/99	Electronic power steering control module
3/8	Heated rear window/door mirror switch	4/106	Control module, remote parking heater start
3/9	Brake light contact	4/107	Control module, parking heater, Call start
3/10	Reversing light contact	4/110	Trailer Module
3/25	Power sunroof switch	5/1	Driver Information Module (DIM)
3/26	Power driver's seat module	6/1	Windshield wiper motor
3/27	Power passenger seat module	6/3	Right-hand headlight wiper motor
3/37	Horn contact	6/4	Left-hand headlight wiper motor
3/47	Parking brake contact	6/15	Sunroof motor
3/59	Control, beam adjustment	6/16	Driver seat motor, backrest angle
3/60	Auxiliary light switch	6/17	Driver seat motor, up/down front edge
3/62	Hood alarm contact	6/18	Driver seat motor, up/down rear edge
3/71	Gear position contacts	6/19	Driver seat motor, forward/backward
3/73	Power Child Lock (PCL) switch	6/20	Passenger seat motor, forward/backward
3/74	Left-hand front door lock unit	6/25	Starter motor
3/75	Right-hand front door lock unit	6/26	Alternator Control Module (ACM)
3/76	Left-hand rear door lock unit	6/28	Motor, passenger compartment fan
3/77	Right-hand rear door lock unit	6/29	Motor, cooling fan
3/78	Trunk lid lock unit	6/31	Feed pump, ejectors
3/80	Switch, left-hand central lock	6/32	Rear window wiper motor
3/82	Switch, right-hand central lock	6/33	Fuel pump
3/85	Rear left door power window switch	6/35	Fuel pump, auxiliary heater
3/86	Rear right door power window switch	6/37	Lock motor, fuel filler flap
3/91	Switch, left-hand heated seat	6/38	Left-hand headlight level adjustment motor
3/92	Switch, right-hand heated seat	6/39	Right-hand headlight adjustment motor
3/93	Left seatbelt latch switch	6/44	Cooling fan, electrics box, engine compartment
3/94	Right seatbelt latch switch	6/48	Damper Motor Module (DMM), recirculation
3/95	Spin control switch	6/58	Motor, front left power window
3/111	Light Switch Module (LSM)	6/60	Motor, front right power window
3/112	Climate Control Module (CCM)	6/62	Left-hand power door mirror
3/117	Dome light control module	6/63	Right-hand power door mirror
3/126	Driver/Passenger Door Module (DDM)/(PDM)	6/64	Passenger seat motor, backrest angle
3/127	Passenger/Driver Door Module (PDM)/(DDM)	6/65	Passenger seat motor, up/down front edge
3/131	Switch, audio/cellular phone	6/66	Passenger seat motor, up/down rear edge
3/135	RTI switch	6/67	Pump, fuel leakage control
3/155	Automatic transmission program selector	6/69	Damper Motor Module (DMM), ventilation/floor/defroster
3/156	Gear Selector Module (GSM)	6/71	Valve, speed-dependent power steering
3/157	Passenger Airbag Cut Off Switch (PACOS)	6/73	Coolant pump, auxiliary heater
3/171	Switch, retractable door mirrors	6/76	Climate control system, rear
3/173	Switch, trunk lid private lock	6/92	Motor, rear left power window
3/174	Switch, reduced alarm	6/93	Motor, rear right power window
3/225	Control unit, continuous damping control (CDC)	6/95	Damper Motor Module (DMM), temperature, left-hand side
3/254	Steering Wheel Module (SWM)	6/96	Damper Motor Module (DMM), temperature, right-hand side
4/7	Combustion Preheater Module (CPM)	6/102	Damper Motor Module (DMM), defroster
4/9	Control module, Supplemental Restraint System (SRS)	6/103	Damper Motor Module (DMM), floor/ventilation
4/16	Brake Control Module (BCM)	6/104	Headlight washer motor
4/28	Transmission Control Module (TCM)	6/105	Fuel distributor, gas
4/31	Fan control module	6/114	Vacuum pump

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6/120	Engine throttle body	7/159	Air Quality Sensor (AQS)
6/127	Washer motor	7/162	Pressure sensor, fuel line
7/4	Brake fluid level sensor	7/164	Sensor module DSTC
7/5	Washer fluid level sensor	7/165	Pressure and temperature sensor, intake manifold
7/6	Oil pressure sensor	7/172	Position sensor, camshaft, intake side
7/8	Pressure sensor, climate control system	7/173	Position sensor, camshaft, exhaust side
7/10	Interior temperature sensor	7/175	Passenger seat weight sensor
7/11	Outside temperature sensor	7/178	RH front impact sensor
7/12	Solar sensor, twilight sensor and indicator alarm	7/179	LH front impact sensor
7/15	Heated oxygen sensor	7/192	Temperature sensor, evaporator
7/16	Coolant temperature sensor	7/201	Pressure and temperature sensor, gas
7/17	Mass airflow sensor MAF	7/204	Parking assistance sensor 5
7/23	Rear knock sensor	7/205	Parking assistance sensor 6
7/24	Front knock sensor	7/206	Parking assistance sensor 7
7/25	Impulse sensor	7/207	Parking assistance sensor 8
7/31	Left-hand front ABS sensor	8/3	Electromagnetic clutch, climate control system
7/32	Right-hand front ABS sensor	8/6-11	Injectors
7/35	Oil level sensor	8/17	EGR valve
7/41	Temperature sensor, evaporator	8/18	EVAP valve
7/51	Accelerator pedal sensor	8/19	Solenoid, variable valve time, inlet
7/56	Left-hand rear ABS sensor	8/20	Shock absorber, Four-C, front left
7/57	Right-hand rear ABS sensor	8/21	Shock absorber, Four-C, front right
7/61	Input speed sensor	8/22	Shock absorber, Four-C, rear left
7/62	Output speed sensor	8/23	Shock absorber, Four-C, rear right
7/73	Coolant level sensor	8/28	Turbocharger control valve
7/74	Oil temperature sensor, automatic transmission	8/30	Driver side airbag igniter
7/81	Pressure sensor, intake manifold	8/31	Passenger side airbag igniter
7/82	Heated oxygen sensor, diagnosis 1	8/32	Igniter, passenger side airbag stage 2
7/87	Acceleration sensor, Four-C, front left	8/33	Front left belt tensioner igniter
7/88	Acceleration sensor, Four-C, front right	8/34	Front right seat belt tensioner igniter
7/89	Acceleration sensor, Four-C, rear left	8/36	Shift lock solenoid
7/91	Steering angle sensor	8/37	Automatic transmission
7/93	Occupant Weight Sensor (OWS)	8/38	Shift solenoid 1
7/100	Inclination Sensor Module (ISM)	8/39	Shift solenoid 2
7/103	Heated oxygen sensor 3	8/40	Lock-up solenoid
7/105	Outside temperature sensor, engine control module	8/41	Pressure solenoid
7/108	Left-hand rear side impact sensor	8/46	DSTC activation module
7/109	Right-hand rear side impact sensor	8/51	Front left side airbag igniter
7/110	Left-hand seat temperature sensor	8/52	Front right side airbag igniter
7/111	Right-hand seat temperature sensor	8/55	Rear left belt tensioner igniter
7/115	Left-hand front side impact sensor	8/56	Rear right belt tensioner igniter
7/116	Right-hand front side impact sensor	8/61	Driver side airbag igniter step 2
7/118	Acceleration sensor, shock absorber, Four-C, front left	8/62	Belt tensioner igniter, center rear seat
7/119	Acceleration sensor, shock absorber, Four-C, front right	8/64	Solenoid valve, engine mounting
7/120	Rear left angle sensor	8/66	Igniter, left-hand inflatable curtain
7/121	Shock absorber, Four-C, rear left	8/67	Right-hand inflatable curtain igniter
7/122	Mass Movement Sensor (MMS), front	8/71	Throttle solenoid
7/123	Clutch pedal sensor	8/72	Shift solenoid 3
7/124	Brake pedal sensor	8/73	Shift solenoid 4
7/129	Brake pressure sensor 2	8/74	Shift solenoid 5
7/130	Fuel level sensor, injector side	8/75	Valve, fuel cut-off DFCO
7/131	Parking assistance sensor 1	8/76	Gas tank valve
7/132	Parking assistance sensor 2	8/78	Oil pressure sensor
7/133	Parking assistance sensor 3	8/79	Valve LPG
7/134	Parking assistance sensor 4	8/81	Solenoid, variable valve timing outlet
7/135	Glass breakage sensor, left-hand	8/82	Solenoid, variable turbo geometry
7/136	Glass breakage sensor, right-hand	8/84	Switch, vacuum pump
7/137	Glass breakage sensor, tailgate	8/85	Thermostatic switch and fuel filter heating
7/139	Brake pressure sensor 1	8/88	Solenoid, gas tank CNG rear
7/143	Fuel level sensor, pump side	8/89	Solenoid, fuel tank CNG front left
7/149	Rain Sensor Module (RSM)	8/90	Solenoid, fuel tank CNG front right
7/153	Sensor, fuel level LPG	8/94	Left-hand belt tensioner igniter, third row of seats
7/156	Pressure and temperature sensor CNG	8/95	Right-hand belt tensioner igniter, third row of seats
7/156	Fuel pressure and temperature sensor, gasoline	8/96	Left-hand inflatable curtain igniter, third row of seats
7/158	Mass Movement Sensor (MMS), rear	8/97	Right-hand inflatable curtain igniter, third row of seats



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8/99	Igniter, steering column	10/173	Cargo compartment lighting, tailgate
8/111	Solenoid valve, high-pressure diesel	10/218	Remote start indicator light
8/123	Igniter, airbag, ventilation, driver's side		
8/124	Igniter, airbag, ventilation, passenger side	11A/no.	Main fuses in engine compartment fuse box
8/134	Solenoid, reverse interlock, manual	11B/no.	Fuses in engine compartment fuse box
		11C/no.	Fuses in passenger compartment fuse box
		11E/no.	Main fuses at battery
9/1	Front 12V outlet		
9/2	Heated rear window		
9/12	Seat Heater Module (SHM) left-hand	15/30	Connecting rail to 15/31
9/13	Seat Heater Module (SHM) right-hand	15/31	Engine compartment distribution box
9/16	Left-hand backrest heating element		
9/17	Right-hand backrest heating element	16/1	Audio Module (AUM)
9/18	Left-hand seat heating element	16X/1	Connector, original car interface
9/19	Right-hand seat heating element	16/2	Amplifier
9/25	Rear 12V outlet	16/3	Right-hand front door speaker
9/30	Auxiliary heater	16/4	Left-hand front door speaker
9/32	PTC resistor - air preheating	16/5	Right-hand rear door speaker
9/33	Left-hand heated door mirror	16/6	Left-hand rear door speaker
9/34	Right-hand heated door mirror	16/10	Horn 1
		16/11	Horn 2
10/1	Left-hand front lamp housing	16/15	CD changer
10/2	Right-hand front lamp housing	16/16	LH window antenna amplifier 1
10/3	License plate lighting	16/26	Central dashboard speaker
10/5	Front left fog light	16/35	Alarm siren (SCM)
10/6	Front right fog light	16/36	TV receiver
10/11	Front left parking light	16/45	Road Traffic Information (RTI)
10/12	Front right parking light	16X/45	Connector, original car interface
10/13	Front left direction indicator	16/46	RTI display, V70/XC70
10/14	Front right direction indicator	16/46	Multimedia display, XC90
10/15	Front left fender direction indicator, V70/XC70	16/47	GPS antenna RTI
10/15	Direction indicator, left front door, XC90	16/50	Left-hand rear window antenna
10/16	Front right fender direction indicator, V70/XC70	16/54	Right-hand rear window antenna
10/16	Direction indicator, right front door, XC90	16/55	Left-hand front tweeter
10/17	Lamp housing, right-hand tail light	16/56	Right-hand front tweeter
10/18	Lamp housing, left-hand tail light	16/57	Speaker, left-hand D-pillar
10/19	Auxiliary brake light	16/58	Speaker, right-hand D-pillar
10/25	Ceiling light, cargo compartment	16/59	Antenna, remote control
10/29	Glove compartment lighting	16/60	Phone Module (PHM)
10/43	Right-hand brake light	16/62	Hand unit, cellular phone
10/44	Right-hand tail light lamp	16/63	GPS antenna, Telephone
10/45	Right-hand tail light lamp 2	16/64	Antenna, cellular telephone
10/46	Fog light, right rear	16/65	Antenna ring/ignition switch lighting
10/47	Rear right direction indicator	16/67	Amplifier antenna, bumper
10/48	Right-hand reversing light	16/68	Antenna, bumper
10/50	Left-hand brake light	16/71	Window antenna amplifier 1 right
10/51	Left-hand tail light lamp	16/73	Window antenna amplifier 2 left
10/52	Left-hand tail light lamp 2	16/74	Window antenna amplifier 2 right
10/53	Fog light, left rear	16/77	Microphone, cellular telephone
10/54	Rear left direction indicator	16/78	Speaker, cellular telephone
10/55	Left-hand reversing light	16/79	Subwoofer, V70/XC70
10/64	Right-hand high beam	16/79	Bass speaker system SUB, XC90
10/65	Front right auxiliary light	16/81	LCD screen
10/66	Right-hand low beam	16/82	DVD player, rear
10/68	Left-hand high beam	16/93	Control module, cellular telephone handsfree
10/69	Front left auxiliary light	16/94	Infotainment Control Module (ICM)
10/70	Left-hand low beam	16/105	Audio module (AUD)
10/71	Front left side marker light	16X/105	Connector, original car interface
10/72	Front ashtray lighting	16/106	Control module, CD player (MP2)
10/73	Front right side marker light	16/107	Control module, MD player (MP1)
10/114	Left-hand vanity mirror lighting	16/108	Multimedia module (MMM)
10/115	Right-hand vanity mirror lighting	16/110	Antenna control module (ATM)
10/125	Left-hand front courtesy lighting	16/111	Socket, rear left headphones
10/126	Right-hand front courtesy lighting	16/112	Socket, rear right headphones
10/148	Left-hand rearview mirror lighting	16/126	Holder, cellular telephone handsfree
10/149	Right-hand rearview mirror lighting	16/127	Microphone, cellular telephone handsfree
10/150	Rear reading light		
10/151	Left-hand rear door switch lighting	17/13	Data link connector
10/152	Right-hand rear door switch lighting	17/17	Jump start connection
10/172	Reading light, third row of seats	17/19	12V outlet, cargo compartment

## Volvo V70 V70r Xc70 Xc90 2005 Wiring Diagram

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17/38	7-pin outlet, towbar cable harness		
17/39	13-pin outlet, towbar cable harness	31/no.	Ground connection
18/4	Contact reel	53/no.	Junction point
20/3-8	Spark plug and ignition coil	54/no.	Connector
20/16	Capacitor	54X/no.	Connector, original car interface
20/22-26	Glow plug		
27/3	Left-hand Camera Module (LCM)	A1	Connecting rail to 15/31
27/4	Right-hand Camera Module (RCM)	C1-6	Connecting rails to 15/31