

Haltech Connector	Pin Number	Connection	Stock Label	Stock Function	Used Function	Notes	Status	Relocated To
16-Pin	1	Haltech A9	5V+	5V+ for input sensors	Same	Supply to sensors	Closed	
16-Pin	2	Subaru B135-24	Add IO	Set/Coast	None	Need to relocate to avoid	Closed	SPI 1
16-Pin	3	Subaru B136-33	Add IO	A/C Middle	None	Not used on 2006	Closed	
16-Pin	4	Haltech B14,B15,B16	Signal Ground	Ground	Same	Ground to sensors	Closed	
16-Pin	5	Haltech B17	IGN7	Secondary Air Valve Relay	None	Eliminated air valve	Closed	
16-Pin	6	Haltech B18	IGN8	Secondary Air Pump Relay	None	Eliminated air pump	Closed	
16-Pin	7	Haltech B8	SPI 1	Flex Fuel Input	Set/Coast	No Flex Fuel	Closed	
16-Pin	8	Haltech A26	12V+	12V+ to relays and solenoid	Same		Closed	
16-Pin	9	Haltech A9	5V+	5V+ for input sensors	Same		Closed	
16-Pin	10	Subaru B135-10	Add IO	Fuel Level Sensor	None	Need to relocate to avoid	Open	AVI 1
16-Pin	11	Subaru B136-31	Add IO	Neutral Position Switch	None	Not needed on 5MT	Closed	
16-Pin	12	Haltech B14,B15,B16	Signal Ground	Ground	Same		Closed	
16-Pin	13	Haltech A29	INJ7	VTC Solenoid Left	Same		Closed	
16-Pin	14	Haltech A30	INJ8	VTC Solenoid Right	Same		Closed	
16-Pin	15	Subaru B134-33	Add IO	Power Steering Oil Level	None	Not used on 2006	Closed	
16-Pin	16	Haltech A26	12V+	12V+ to relays and solenoid	None		Closed	
32-Pin	1	Haltech A1	DPO 2	Fuel Pressure Control	Same	Not sure this is needed	Open	
32-Pin	2	Haltech A2	AVI 4	APP Main Signal	Same		Closed	
32-Pin	3	Haltech A3	IGN1	Ignition Coil #1	Same		Closed	
32-Pin	4	Haltech A4	IGN2	Ignition Coil #2	Same		Closed	
32-Pin	5	Haltech A5	IGN3	Ignition Coil #3	Same		Closed	
32-Pin	6	Haltech A6	IGN4	Ignition Coil #4	Same		Closed	
32-Pin	7	Haltech A7	IGN5	TGV	None	Removed TGV	Closed	
32-Pin	8	Haltech A8	IGN6	Wastegate	Same		Open	
32-Pin	9	Haltech A9	5V+	5V+ for input sensors	Same		Closed	
32-Pin	10	Haltech A10	Batt Grnd	Battery negative	Same		Closed	
32-Pin	11	Haltech A11	Batt Grnd	Battery negative	Same		Closed	
32-Pin	12	Haltech A12	8V+	Not Used	Same		Closed	
32-Pin	13	Haltech A13	Ignition Input	Ignition Switch	Same		Closed	
32-Pin	14	Haltech A14	AVI 10	Mass Air Flow Signal	Same		Closed	
32-Pin	15	Haltech A15	AVI 9	Manifold Pressure	Same		Closed	
32-Pin	16	Haltech A16	AVI 2	DBW TPS 1	Same		Closed	
32-Pin	17	Haltech A17	AVI 3	DBW TPS 2	Same		Closed	
32-Pin	18	Haltech A18	DPO 1	Tachometer	Clutch Switch	No external tach	Closed	
32-Pin	19	Haltech A19	INJ1	Injector #1	Same		Closed	
32-Pin	20	Haltech A20	INJ2	Injector #2	Same		Closed	
32-Pin	21	Haltech A21	INJ3	Injector #3	Same		Closed	
32-Pin	22	Haltech A22	INJ4	Injector #4	Same		Closed	
32-Pin	23	Haltech A23	DPO 3	A/C Control	Same		Closed	
32-Pin	24	Haltech A24	DPO 5	Fuel Pump Control	Same	Not sure this is needed	Open	
32-Pin	25	Haltech A25	DPO 6	Engine Control Relay	Same		Closed	
32-Pin	26	Haltech A26	12V+	Fused Power	π		Closed	
32-Pin	27	Haltech A27	INJ5	Thermofan 1	Same	Not sure this is needed	Open	
32-Pin	28	Haltech A28	INJ6	Thermofan 2	Same	Not sure this is needed	Open	

Haltech Connector	Pin Number	Connection	Stock Label	Stock Function	Used Function	Notes	Status	Relocated To
32-Pin	29	Haltech A29	Step P1	Fuel Tank Pressure Control	None	Not used on 2006	Closed	
32-Pin	30	Haltech A30	Step P2	Cruise Control Set Light	None	No external light	Closed	
32-Pin	31	Haltech A31	Step P3	Purge Valve 2	None	Not used on 2006	Closed	
32-Pin	32	Haltech A32	Step P4	Purge Valve 1	None	Not used on 2006	Closed	
24-Pin	1	Haltech B1	Trigger	Crank position sensor +	Same		Closed	
24-Pin	2	Haltech B2	Home	L Cam Position	Same		Closed	
24-Pin	3	Haltech B3	AVI 7	Intake Air Temp	Same		Closed	
24-Pin	4	Haltech B4	AVI 8	Coolant Temp	Same		Closed	
24-Pin	5	Haltech B5	Trigger	Crank position sensor -	Same		Closed	
24-Pin	6	Haltech B6	Home	Not Used	None		Open	
24-Pin	7	Haltech B7	SPI 4	A/C Request	Same		Closed	
24-Pin	8	Haltech B8	SPI 1	Flex Fuel Input	Set/Coast		Closed	
24-Pin	9	Haltech B9	SPI 2	R Cam Position	Same		Closed	
24-Pin	10	Haltech B10	SPI 3	Vehicle Speed Sensor	Same		Closed	
24-Pin	11	Haltech B11	12V+	Fused Power	Same		Closed	
24-Pin	12	Haltech B12	AVI 6	Brake Switch	Same		Closed	
24-Pin	13	Haltech B13	AVI 1	Clutch Switch	Fuel Level		Closed	DPO 1
24-Pin	14	Haltech B14	Signal Ground	Ground	Same		Closed	
24-Pin	15	Haltech B15	Signal Ground	Ground	Same		Closed	
24-Pin	16	Haltech B16	Signal Ground	Ground	Same		Closed	
24-Pin	17	Haltech B17	CAN high	CAN High	Same		Closed	
24-Pin	18	Haltech B18	CAN low	CAN Low	Same		Closed	
24-Pin	19	Haltech B19	DPO 4	Check Engine Light	None	No external light	Closed	
24-Pin	20	Haltech B20	AVI 5	APP sub signal	Same		Closed	
24-Pin	21	Haltech B21	Knock 1	Knock Sensor	Same		Closed	
24-Pin	22	Haltech B22	Knock 2	Not Used	Same		Closed	
24-Pin	23	Haltech B23	DBW 1	DBW -	Same		Closed	
24-Pin	24	Haltech B24	DBW 2	DBW +	Same			