

# STI V3 ECU PINOUT

6S		A18-000-D35 22611AD170	8217
B135	Description	Color	Connect to
1	Oil pressure switch power steering		OK
2	Ignition switch 12v		IGNITION SWITCH 12V
3	Speed sensor		FROM DASH TO ECU
4	Data/check connector		OK
5	Data/check connector		OK
6	xxx		
7	xxx		
8	Fan control		OK
9	Neutral switch		OK
10	AC system		OK
11	xxx		
12	xxx		
13	xxx		
14	Tach		FROM ECU TO DASH
15	Purge control solenoid		PLUG COUPÉ
16	Fan control		OK

B136	Description	Color	Connect to
1	Main relay 12 v		MAIN RELAY
2	Main relay 12 v		MAIN RELAY
3	Engine temp		PLUG COUPÉ+DASH
4	Knock sensor		OK
5	O2 sensor signal		OK
6	MAF signal		OK
7	MAF		OK
8	Cam signal		OK
9	Crank/Cam common signal		OK
10	Crank signal		OK
11	Power 12v		RELAIS 12V
12	Ground		PLUG COUPÉ
13	Ground ECU		OK
14	Boost sensor/TPS power		OK
15	xxx		
16	TPS signal		PLUG COUPÉ
17	Boost sensor signal		OK
18	Ground		OK
19	EGT		OK
20	Read memory		OK
21	Check mode + test memory		OK
22	Power 12v		RELAIS 12V

<b>B137</b>	<b>Description</b>	<b>Color</b>	<b>Connect to</b>
1	Idle air valve solenoid		PLUG COUPÉ
2	Idle air valve solenoid		PLUG COUPÉ
3	Waste gate solenoid valve		PLUG COUPÉ
4	xxx		
5	xxx		
6	Pressure exchange solenoid valve		OK
7	Fuel pump relay control		OK
8	Check engine light		TO DASH
9	Ignitor		OK
10	Ignitor		OK
11	Injector #4		PLUG COUPÉ
12	Injector #3		PLUG COUPÉ
13	Injector #2		PLUG COUPÉ
14	Ground sensors		PLUG COUPÉ
15	Main power 12v		RELAIS 12V
16	xxx		
17	xxx		
18	xxx		
19	xxx		
20	To dash ?? blue plug		OK
21	AC system		OK
22	xxx		
23	xxx		
24	Ground		PLUG COUPÉ
25	Ground		PLUG COUPÉ
26	Injector #1		PLUG COUPÉ

	<b>PLUG 12 PIN</b>		<b>PLUG 16 PIN</b>
1	TPS	1	COIL
2	TPS	2	IDLE VALVE
3	TPS/TEMP	3	EXCHANGE VALVE
4	XXX	4	INJECTOR
5	XXX	5	XXX
6	XXX	6	COIL
7	XXX	7	XXX
8	TEMP	8	COIL
9	IDLE VALVE	9	INJECTOR
10	IDLE VALVE	10	INJECTOR
11	FAN / TEMP??	11	INJECTOR
12	OIL SWITCH	12	INJECTOR
		13	GROUND
		14	GROUND
		15	GROUND
		16	GROUND

Plug B135 26-pin					
Pinout	Used	Function	Comments	RHD Wire Color	LHD Wire Color
A1	Yes	Idle Control Valve	Idle down	White	Black
A2	Yes	Idle Control Valve	Idle up	Black	White-Black
A3	Yes	Boost Controller		Black-White	Black-Red
A4					
A5					
A6	No	Pressure Ex VSV	Pressure Sources Valve	Green-Yellow	Green-Yellow
A7	Yes	Fuel Pump Relay	No Immobiliser	Lt Green-Black	Lt Green-Black
A8	Yes	CEL	Shift Light	Red-White	Red-White
A9	Yes	Ignition 1	Cyl 3&4	Green-White	Green-White
A10	Yes	Ignition 2	Cyl 1&2	Yellow-Blue	Yellow-Blue
A11	Yes	Injector 4		Blue-Black	Blue-Black
A12	Yes	Injector 3		Blue Red	Blue Red
A13	Yes	Injector 2		Lt Green	Lt Green
A14	Yes	Ground	Modify Loom	Black-White	Black-Green
A15	No	12 Volts ECU Back-up	Constant 12 Volts	Red	Yellow-Green
A16					
A17	Yes	Fuel Pump Relay	With Immobiliser	Lt Green-Black	Lt Green-Black
A18					
A19					
A20			Wasn't used	white/blue	
A21	Yes	A/C Clutch	A/C Relay cut out	Blue	Green
A22					
A23					
A24	No	0 Volts	Earth Loop to B7	Black	Black
A25	Yes	0 Volts	Earth Loop to B7	Black-Yellow	Black-Yellow
A26	Yes	Injector 1		White-Black	Brown

Plug B136 22-pin					
Pinout	Used	Function	Comments	RHD Wire Color	LHD Wire Color
B1	Yes	12 Volts	From Main Relay	Yellow-Blue	Yellow-Blue
B2	Yes	12 Volts	From Main Relay	Yellow-Blue	Yellow-Blue
B3	Yes	Engine Temp signal		Black-Yellow	Black-Yellow
B4	Yes	Knock Sensor Signal		Yellow	Blue-Green
B5	Yes	O2 Sensor Signal		White	White
B6	Yes	MAF Signal		Green	Purple Blue
B7	Yes	MAF Ground	Link to A25	Black-Green	Black-Green
B8	Yes	Cam Signal	No Immobiliser	Red	Red
B9	Yes	Crank/Cam ground	Link to B13 and C7	Black-Blue	Lt Green-White
B10	Yes	Crank Signal	No Immobiliser	White	White
B11	No	12 Volts	Ignition On	Yellow	Yellow
B12	No	0 Volts		Black-Red	Black-Red
B13	Yes	Ground Sensors, 0 Volts	Link to B9 and C11	Blue	Red-Green
B14	Yes	TPS power 5v reference		Red	Red
B15					
B16	Yes	TPS		Lt Green	Lt Green-White
B17	Yes	MAP Sensor		Yellow-Black	Yellow-Black
B18	No	0 Volts Ground		Black-Red	
B19		Exhaust Temp Signal		Black/Blue	
B20	No	Read Memory		Red-Black	Red-Black
B21	Yes	Check Connector/Test Mode	RS 232???	Orange	Orange
B22	Yes	Voltage to Main Relay	Shut off Control	Lt Green	Lt Green-White

Plug B135 16-pin Pinout	Used	Function	Comments	RHD Wire Color	LHD Wire Color
C1		Air Temp Sensor		White	Red White
C2	No	Ignition "start" position	When Cranking	Blue-Red	Blue-Red
C3	Yes	Speedo/Vehicle Speed Sensor		Purple	White
C4	No	Data Link	RS 232???	Lt Green-Red	Lt Green-Red
C5	No	Data Link	RS 232???	Green-White	Green-White
C6					
C7					
C8	Yes	Coolant Fan	Speed 1	Red-Blue	Red-Blue
C9	Poss	Neutral Switch		Lt Green-Yellow	Lt Green-Yellow
C10	Yes	AC switch "on" position	12 Volts A/C on	Blue-Yellow	Red-Green
C11					
C12	No	Immobiliser		White-Red	Red
C13	No	Immobiliser		Grey	Blue
C14	Yes	Tachometer	Requires 10K Pull up	Blue-Green	Black-White
C15	Yes	Purge Solenoid Valve		White-Blue	White-Blue
C16	Yes	Coolant Fan	Speed 2	Green-Red	Green-Red