

Number	Revision	Drawn By	Date	Title
EC66CNG	002	S.T.	7/02/02	EC66 CNG Wiring Loom

Wiring details

Cable Connector	Cable Pin Number	Wire Name	Wire Color	Wire Type	Pin Type
A	1	Timing in 1 Hall	Green (White to Ground)	2 Core #1 Shielded	070 - Tin
A	2	Timing in 1 Reluctor	Green (White to Ground)	2 Core #1 Shielded	070 - Tin
A	3	Aircon Request	Gray	0.5mm2 – 7/0.32	040 -Gold
A	4	Spare Input 1	Pink	0.5mm2 – 7/0.32	040 -Gold
A	5	Ignition Out 1	Red (Black to Ground)	2 Core #2 Shielded	040 -Gold
A	6	TPS / SENSOR +5V	Red/Black	0.85mm2 – 16/0.26	040 -Gold
A	7	Fuel Pump Relay	White/Lt Blue	0.85mm2 – 16/0.26	040 -Gold
A	8	Spare Output 2	Orange	0.85mm2 – 16/0.26	040 -Gold
A	9	Injector Output 1	White/Black	0.85mm2 – 16/0.26	040 -Gold
A	10	Stepper B1	Dark Green/Lt Blue	0.85mm2 – 16/0.26	040 -Gold
A	11	Stepper B2	Dark Green/White	0.85mm2 – 16/0.26	070 - Tin
A	12	POWER GND	Black/White	1.25mm2 – 16/0.32	070 - Tin
A	13	POWER GND	Black/White	1.25mm2 – 16/0.32	070 - Tin
A	14	Diag Input	Black/Yellow	0.5mm2 – 7/0.32	070 - Tin
A	15	Oxygen Sensor	Violet	0.5mm2 – 7/0.32	070 - Tin
A	16	Throttle Position	Light Green	0.5mm2 – 7/0.32	040 -Gold
A	17	MAF/MAP	Dark Blue	0.5mm2 – 7/0.32	040 -Gold
A	18	Engine Temperature	Yellow	0.5mm2 – 7/0.32	040 -Gold
A	19	Air Temperature	White	0.5mm2 – 7/0.32	040 -Gold
A	20	TPS/SENSOR GND	Black	0.85mm2 – 16/0.26	040 -Gold
A	21	Diag Light	Tan	0.85mm2 – 16/0.26	040 -Gold
A	22	EGR Valve	Brown	0.85mm2 – 16/0.26	040 -Gold
A	23	Injector Out 2	Yellow/Black	0.85mm2 – 16/0.26	040 -Gold
A	24	Stepper A1	Dark Green	0.85mm2 – 16/0.26	070 - Tin
A	25	Stepper A2	Dark Green/Black	0.85mm2 – 16/0.26	070 - Tin
A	26	+12VIN	Red/White	1.25mm2 – 16/0.32	070 - Tin

Cable Connector	Cable Pin Number	Wire Name	Wire Color	Wire Type	Pin Type
B	1	Comms RS232 Output	Not Used	Not Used	Not Used
B	2	CNG Fuel Rail Pressure	Light Blue/Orange	0.5mm2 – 7/0.32	040 -Gold
B	3	Injector Output 7	Not Used	Not Used	Not Used
B	4	Injector Output 8	Not Used	Not Used	Not Used
B	5	+12V In Switched	Not Used	Not Used	Not Used
B	6	Diag Light	Not Used	Not Used	Not Used
B	7	Comms Output	Not Used	Not Used	Not Used
B	8	Comms +5V	Not Used	Not Used	Not Used
B	9	Comms RS232 Input	Not Used	Not Used	Not Used
B	10	PGM Data IO	Not Used	Not Used	Not Used
B	11	CNG Fuel Rail Temp	Orange/Brown	0.5mm2 – 7/0.32	040 -Gold
B	12	CNG Tank Pressure	Orange/Red	0.5mm2 – 7/0.32	040 -Gold
B	13	Spare Input 2	Pink/Dark Blue	0.5mm2 – 7/0.32	040 -Gold
B	14	PGM Enable Input	Not Used	Not Used	Not Used
B	15	Comms Input	Not Used	Not Used	Not Used
B	16	Comms Ground	Not Used	Not Used	Not Used

Cable Connector	Cable Pin Number	Wire Name	Wire Color	Wire Type	Pin Type
C	1	Injector Output 3	Light Blue/Black	0.85mm2 – 16/0.26	070 – Tin
C	2	Injector Output 5	Orange/Black	0.85mm2 – 16/0.26	070 – Tin
C	3	Ignition Output 3	Yellow/Black/White	2 Core #2 Shielded	070 – Tin
C	4	Ignition Output 5	Yellow/Black/DkBlue	2 Core #2 Shielded	070 – Tin
C	5	Timing In Sync Hall		1 Core #1 Shielded	070 – Tin
C	6	Timing In Sync Reluctor	Not Used	Not Used	Not Used
C	7	Injector Output 4	Red/Black	0.85mm2 – 16/0.26	070 – Tin
C	8	Injector Output 6	Violet/Black	0.85mm2 – 16/0.26	070 – Tin
C	9	Ignition Output 2	Yellow/Black/Pink	2 Core #2 Shielded	070 – Tin
C	10	Ignition Output 4	Yellow/Black/Orange	2 Core #2 Shielded	070 – Tin
C	11	Ignition Output 6	Yellow/Black/Gray	2 Core #2 Shielded	070 – Tin
C	12	Tach Output	DarkBlue/White	0.3mm2 – 7/0.26	070 - Tin