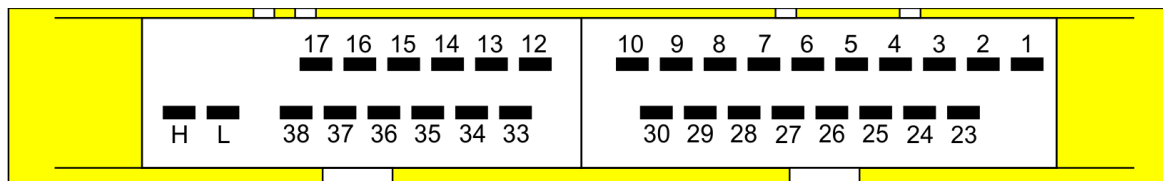


SCG-ATC 722.6 EGS51 PINOUT

SEASIDE CUSTOMS GARAGE @ 2020.11.24

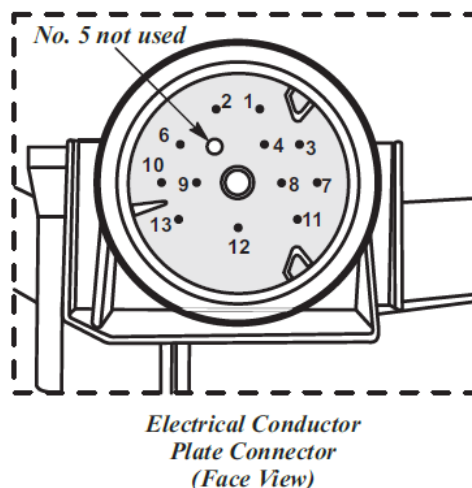
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1	VR1+ (ABS SENSOR)	13	+5V OUT (TRANS. PIN7)	29	+12V INPUT
2	VR1- (ABS SENSOR)	14	Y3 (TRANS. PIN13)	30	GND
3	SHIFTER W/S SWITCH	15	Y5 (TRANS. PIN8)	33	GND (TRANS. PIN12)
4	RPM OUTPUT	16	Y4 (TRANS. PIN9)	34	ATF TEMP (TRANS PIN4)
5	SPEEDOMETER OUTPUT	17	TCC (TRANS. PIN11)	35	N3RPM (TRANS. PIN1)
6	RX	23	VR2- (CRANK SENSOR)	36	MPC (TRANS PIN2)
7	TX	24	VR2+ (CRANK SENSOR)	37	SPC (TRANS. PIN10)
8	TPS INPUT (0-5V)	25	SHIFTER WHITE (PIN4)	38	+12V OUT (max. 2A)
9	MANUAL GEAR UP	26	SHIFTER BLUE (PIN5)		
10	MANUAL GEAR DOWN	27	SHIFTER GREEN (PIN9)	H	CANBUS H
12	N2RPM (TRANS. PIN3)	28	SHIFTER YELLOW (PIN10)	L	CANBUS L

TRANSMISSION CONNECTOR

Pin	Function
1	N3 Input Speed Sensor Signal
2	Modulation Pressure Control Solenoid Ground Control
3	N2 Input Speed Sensor Signal
4	TFT Sensor and P/N Switch Signal
5	Not Used
6	Battery Supply Voltage For All Solenoids
7	Sensor 5V Supply Voltage
8	2-3 Shift Solenoid Ground Control
9	3-4 Shift Solenoid Ground Control
10	Shift Pressure Control Solenoid Ground Control
11	TCC Solenoid Ground Control
12	Sensor Ground
13	1-2/4-5 Shift Solenoid Ground Control



Manual gear Up/Down (Paddles)

Connect paddles or momentary switches to +12V from controller

Shifter

Connect shifter to controller's pins: 3, 25, 26, 27, 28

Connect shifter PIN1 to +12V OUT from controller.

Gray/blue wire is a backlight - PIN6 – connect to interior/exterior light system

Ground – PIN3. Connect to car Ground or controller's GND OUT

Minimum wiring (manual shifting only)

Connect controller to battery, transmission, shifter and paddles

Typical wiring (manual and automatic shifting)

Connect controller to battery, transmission, shifter, paddles, crankshaft, ABS and TPS

Bluetooth module HC-05

Connect to TX (PIN 39), RX (PIN21), +5V, GND OUT

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