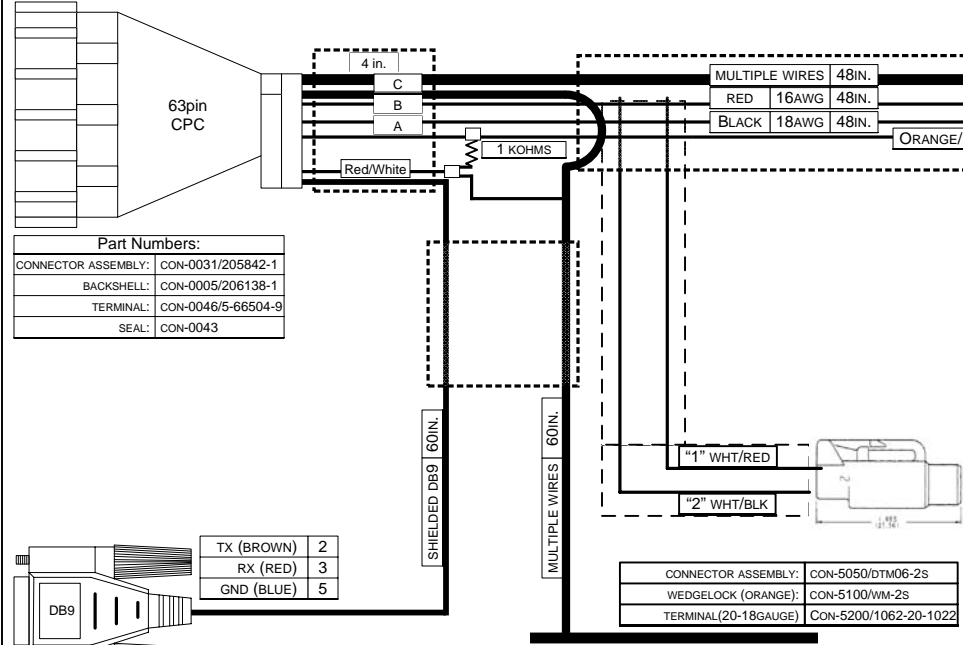
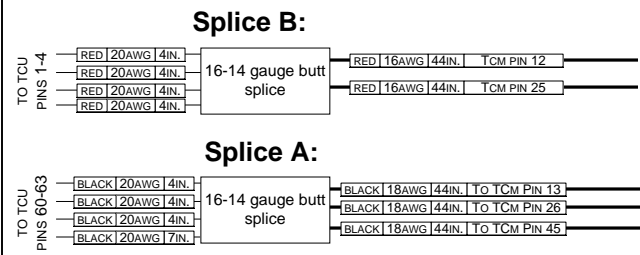


REV.	DESCRIPTION	DATE	BY
0	ORIGINAL REVISION	7/25/2005	RC



Part Numbers:

CONNECTOR ASSEMBLY:	CON-0031/205842-1
BACKSHELL:	CON-0005/206138-1
TERMINAL:	CON-0046/5-66504-9
SEAL:	CON-0043

Part Numbers:

TX (BROWN)	2
RX (RED)	3
GND (BLUE)	5

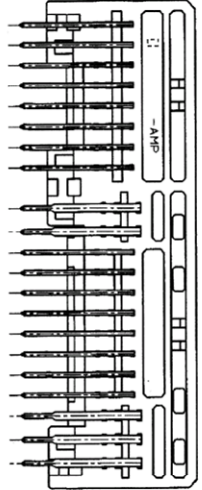
CONNECTOR ASSEMBLY: WRE-2001

CONNECTOR ASSEMBLY:	CON-5050/DTM06-2S
WEDGELOCK (ORANGE):	CON-5100/WM-2S
TERMINAL (20-18GAUGE)	CON-5200/1062-20-1022

Unterminated Wires

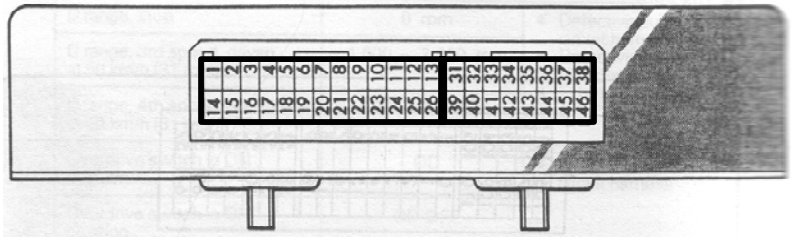
FUNCTION	WIRE COLOR	TCU POS
SPEEDOMETER DRIVE	ORANGE/WHITE	9
SPARE DIGITAL 1	BROWN/BLACK	23
SPARE DIGITAL 2	BROWN/RED	24
SPARE DIGITAL 3	BROWN/LT. GREEN	25
MAP	YELLOW/RED	47
CLT	YELLOW/LT. GREEN	48
SPARE ANALOG	YELLOW/LT. BLUE	49
REFERENCE VOLTAGE	RED/WHITE	58
SENSOR GROUND	BLACK/WHITE	54

PIN	FUNCTION	WIRE COLOR	TCU POS
1	TCC SOLENOID	VIOLET/RED	28
2	SHIFT SOLENOID A	PINK/BLACK	59
12	+12V	RED	1-4
13	GROUND	BLACK	60-63
14	LINE PRESSURE SOL	VIOLET/BLACK	37
15	SHIFT SOLENOID B	PINK/RED	53
21	TPS	YELLOW/BLACK	46
23	TFT+	YELLOW/ORANGE	51
24	TFT-	BLACK/WHITE	54
25	+12V	RED	1-4
26	GROUND	BLACK	60-63
31	PARK RANGE	GRAY/BLACK	13
32	REVERSE RANGE	GRAY/RED	14
33	NEUTRAL RANGE	GRAY/LT. GREEN	15
34	DRIVE RANGE	GRAY/LT. BLUE	16
35	2 RANGE	GRAY/WHITE	17
36	L RANGE	GRAY/ORANGE	18
37	OD OFF SWITCH	GRAY/YELLOW	21
38	BRAKE LIGHT	GRAY/PINK	22
40	OUTPUT SPEED	ORANGE/RED	6
41	VSS+	ORANGE/LT. GREEN	7
42	VSS-	BLACK/WHITE	54
43	INPUT SPEED+	ORANGE/LT. BLUE	8
44	INPUT SPEED -	BLACK/WHITE	54
45	GROUND	BLACK	60-63
46	RPM	ORANGE/BLACK	5



Part Number
Con-4300/1-176242-1

Pin Out Diagram



Powertrain Control Solutions, LLC.

11139 Air Park Rd. Suite 2
Ashland, VA 23005

www.ptcs.us

Phone: (804) 752-6025
Fax: (804) 752-3516

TITLE:

F4A3 – W4A3 HARNESS

PART NUMBER: TCM-4126

DESCRIPTION: WIRING HARNESS FOR
MITSUBISHI ECLIPSE

DRAWN BY: R. Cutright DATE: 7/25/2005 PAGE: 2 OF 2

CPC	Pin Function	Harness Function	TCU Termination	F4A3/W4A3	colors
1	+12v	Battery Connection	Mitsu TCM Pin 12,25	+12v	red
2	+12v	Battery Connection	Mitsu TCM Pin 12,25	+12v	red
3	+12v	Battery Connection	Mitsu TCM Pin 12,25	+12v	red
4	+12v	Battery Connection	Mitsu TCM Pin 12,25	+12v	red
5	Speed Input 1	Engine Speed Input	Mitsu TCM Pin 46	RPM	orange/black
6	Speed Input 2	Transmission Speed Input	Mitsu TCM Pin 40	Output speed	orange/red
7	Speed Input 3	TCC Speed Input	Mitsu TCM Pin 41	Input Speed	orange/lt. green
8	Speed Input 4	Optional Speed Input	Mitsu TCM Pin 43	VSS	orange/lt. blue
9	Speed Output	Speedometer Drive Output	Speedometer Drive	Speedometer Drive	orange/white
10	unused	-	-	-	-
11	unused	-	-	-	-
12	PWM Out 4/freq2	PWM/Solenoid Driver	-	-	violet/lt. blue
13	Digital Input 1	Digital Input	Mitsu TCM Pin 31	Park Range	gray/black
14	Digital Input 2	Digital Input	Mitsu TCM Pin 32	Reverse Range	gray/red
15	Digital Input 3	Digital Input	Mitsu TCM Pin 33	Neutral Range	gray/lt. green
16	Digital Input 4	Digital Input	Mitsu TCM Pin 34	Drive Range	gray/lt. blue
17	Digital Input 5	Digital Input	Mitsu TCM Pin 35	2 Range	gray/white
18	Digital Input 6	Digital Input	Mitsu TCM Pin 36	L Range	gray/orange
19	Digital Out 5	Digital Driver	-	-	pink/white
20	PWM Out 3/freq2	PWM/Solenoid Driver	-	-	violet/lt. green
21	Digital Input 7	Digital Input	Mitsu TCM Pin 37	OD Off Switch	gray/yellow
22	Digital Input 8	Digital Input	Mitsu TCM Pin 38	Brake Light	gray/pink
23	Digital Input 9	Digital Input	Spare Digital 1	Spare Digital 1	brown/black
24	Digital Input 10	Digital Input	Spare Digital 2	Spare Digital 2	brown/red
25	Digital Input 11	Digital Input	Spare Digital 3	Spare Digital 3	brown/lt. green
26	Digital Input 12	Digital Input	-	-	brown/lt. blue
27	Digital Out 6	Digital Driver	-	-	pink/orange
28	PWM Out 2/freq1	PWM/Solenoid Driver	Mitsu TCM Pin 1	TCC Solenoid	violet/red
29	unused	-	-	-	-
30	RS-232 Transmit	Communications Cable	db9	db9	white/orange
31	RS-232 Receive	Communications Cable	db9	db9	white/lt. blue
32	CAN/RS-232 GND	Communications Cable	db9	db9	white/lt. green
33	CAN High	Communications Cable	-	-	white/red
34	CAN Low	Communications Cable	-	-	white/black
35	unused	-	-	-	-
36	Digital Out 3/PWM 9	Digital Driver	-	-	pink/lt. green
37	PWM Out 1/freq 1	PWM/Solenoid Driver	Mitsu TCM Pin 14	Line Pressure Sol	violet/black
38	unused	-	-	-	-
39	Digital Input 13	Digital Input	-	-	brown/white
40	Digital Input 14	Digital Input	-	-	brown/orange
41	Digital Input 15	Digital Input	-	-	brown/yellow
42	Digital Input 16	Digital Input	-	-	brown/pink
43	unused	-	-	-	-
44	Digital Out 4	Digital Driver	-	-	pink/lt. blue
45	PWM Out 6/freq1	PWM/Solenoid Driver	-	-	violet/orange
46	Analog Input 1	Analog Input	Mitsu TCM Pin 21	TPS	yellow/black
47	Analog Input 2	Analog Input	MAP	MAP	yellow/red
48	Analog Input 3	Analog Input	CLT	CLT	yellow/lt. green
49	Analog Input 4	Analog Input	Spare Analog	Spare Analog	yellow/lt. blue
50	Analog Input 5/temp	Analog Input	-	-	yellow/white
51	Analog Input 6/temp	Analog Input	Mitsu TCM Pin 23	TFT+	yellow/orange
52	Pwm Out 5/freq1	PWM/Solenoid Driver	-	-	violet/white
53	Digital Out 2/PWM 8	Digital Driver	Mitsu TCM Pin 15	Shift Solenoid B	pink/red
54	Sensor/AD Gnd	Sensor or reference Gnd	Mitsu TCM Pin 24, 44, 42	Sensor Ground	black/white
55	unused	-	-	-	-
56	unused	-	-	-	-
57	unused	-	-	-	-
58	Ref Voltage (+5v)	Sensor/reference Voltage	-	-	red/white
59	Digital Out 1/PWM 7	Digital Driver	Mitsu TCM Pin 2	Shift Solenoid A	pink/black
60	Gnd	Battery Connection	Mitsu TCM Pin 13, 26, 45	Gnd	black
61	Gnd	Battery Connection	Mitsu TCM Pin 13, 26, 45	Gnd	black
62	Gnd	Battery Connection	Mitsu TCM Pin 13, 26, 45	Gnd	black
63	Gnd	Battery Connection	Mitsu TCM Pin 13, 26, 45	Gnd	black

REV.	DESCRIPTION	DATE	BY
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Pin	Color
1	violet/lt. blue
2	pink/white
3	violet/lt. green
4	brown/lt. blue
5	pink/orange
6	pink/lt. green
7	brown/white
8	brown/orange
9	brown/yellow
10	brown/pink
11	pink/lt. blue
12	violet/orange
13	yellow/white
14	violet/white

db9 pinout	DB9
1	none
2	transmit
3	receive
4	none
5	gnd
6	none
7	none
8	none
9	none

PIN	FUNCTION	WIRE COLOR	TCU POS
1	TCC SOLENOID	VIOLET/RED	28
2	SHIFT SOLENOID A	PINK/BLACK	59
12	+12V	RED	1-4
13	GROUND	BLACK	60-63
14	LINE PRESSURE SOL	VIOLET/BLACK	37
15	SHIFT SOLENOID B	PINK/RED	53
21	TPS	YELLOW/BLACK	46
23	TFT+	YELLOW/ORANGE	51
24	TFT-	BLACK/WHITE	54
25	+12V	RED	1-4
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34	DRIVE RANGE	GRAY/ LT. BLUE	16
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44	INPUT SPEED -	BLACK/WHITE	54
45	GROUND	BLACK	60-63
46	RPM	ORANGE/BLACK	5