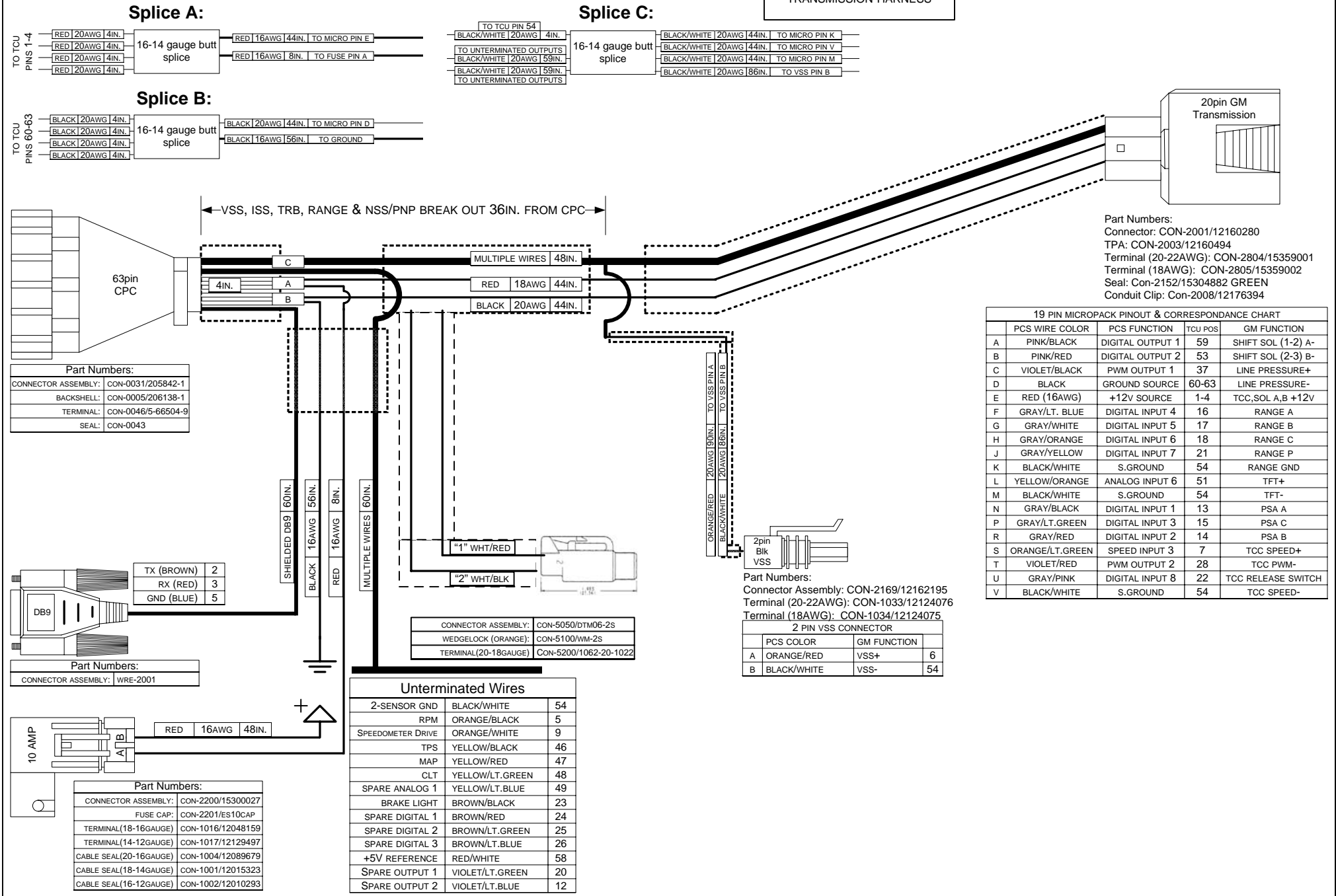


REV.	DESCRIPTION	DATE	BY
0	4T65E (All Years) Style Transmission Harness	3/29/2005	JB



Part Numbers:  
 Connector: CON-2001/12160280  
 TPA: CON-2003/12160494  
 Terminal (20-22AWG): CON-2804/15359001  
 Terminal (18AWG): CON-2805/15359002  
 Seal: CON-2152/15304882 GREEN  
 Conduit Clip: Con-2008/12176394

**19 PIN MICROPACK PINOUT & CORRESPONDANCE CHART**

	PCS WIRE COLOR	PCS FUNCTION	TCU POS	GM FUNCTION
A	PINK/BLACK	DIGITAL OUTPUT 1	59	SHIFT SOL (1-2) A-
B	PINK/RED	DIGITAL OUTPUT 2	53	SHIFT SOL (2-3) B-
C	VIOLET/BLACK	PWM OUTPUT 1	37	LINE PRESSURE+
D	BLACK	GROUND SOURCE	60-63	LINE PRESSURE-
E	RED (16AWG)	+12V SOURCE	1-4	TCC_SOL A,B +12V
F	GRAY/LT. BLUE	DIGITAL INPUT 4	16	RANGE A
G	GRAY/WHITE	DIGITAL INPUT 5	17	RANGE B
H	GRAY/ORANGE	DIGITAL INPUT 6	18	RANGE C
J	GRAY/YELLOW	DIGITAL INPUT 7	21	RANGE P
K	BLACK/WHITE	S.GROUND	54	RANGE GND
L	YELLOW/ORANGE	ANALOG INPUT 6	51	TFT+
M	BLACK/WHITE	S.GROUND	54	TFT-
N	GRAY/BLACK	DIGITAL INPUT 1	13	PSA A
P	GRAY/LT.GREEN	DIGITAL INPUT 3	15	PSA C
R	GRAY/RED	DIGITAL INPUT 2	14	PSA B
S	ORANGE/LT.GREEN	SPEED INPUT 3	7	TCC SPEED+
T	VIOLET/RED	PWM OUTPUT 2	28	TCC PWM-
U	GRAY/PINK	DIGITAL INPUT 8	22	TCC RELEASE SWITCH
V	BLACK/WHITE	S.GROUND	54	TCC SPEED-

Part Numbers:  
 Connector Assembly: CON-2169/12162195  
 Terminal (20-22AWG): CON-1033/12124076  
 Terminal (18AWG): CON-1034/12124075

**2 PIN VSS CONNECTOR**

PCS COLOR	GM FUNCTION
A ORANGE/RED	VSS+ 6
B BLACK/WHITE	VSS- 54

Part Numbers:

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

Part Numbers:

CONNECTOR ASSEMBLY:	WRE-2001
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Part Numbers:

CONNECTOR ASSEMBLY:	CON-2200/15300027
FUSE CAP:	CON-2201/ES10CAP
TERMINAL(18-16GAUGE)	CON-1016/12048159
TERMINAL(14-12GAUGE)	CON-1017/12129497
CABLE SEAL(20-16GAUGE)	CON-1004/12089679
CABLE SEAL(18-14GAUGE)	CON-1001/12015323
CABLE SEAL(16-12GAUGE)	CON-1002/12010293

REV.	DESCRIPTION	DATE	BY
0	4T65E (All Years) Style Transmission Harness	3/29/2005	JB

CPC	Pin Function	Harness Function	4T65E	colors
1	+12v	Battery Connection	+12v	red
2	+12v	Battery Connection	+12v	red
3	+12v	Battery Connection	+12v	red
4	+12v	Battery Connection	+12v	red
5	Speed Input 1	Engine Speed Input	RPM , from tach output	orange/black
6	Speed Input 2	Transmission Speed Input	VSS	orange/red
7	Speed Input 3	TCC Speed Input	TCC Speed	orange/lt. green
8	Speed Input 4	Optional Speed Input	-	orange/lt. blue
9	Speed Output	Speedometer Drive Output	GM PCM Speed Input	orange/white
10	unused	-	-	-
11	unused	-	-	-
12	PWM Out 4/freq2	Selectable H/L Multifunction/PWM/Solenoid Driver	Spare Output 2	violet/lt. blue
13	Digital Input 1	Digital Input	PSA "A"	gray/black
14	Digital Input 2	Digital Input	PSA "B"	gray/red
15	Digital Input 3	Digital Input	PSA "C"	gray/lt. green
16	Digital Input 4	Digital Input	Range Switch 1/A	gray/lt. blue
17	Digital Input 5	Digital Input	Range Switch 2/B	gray/white
18	Digital Input 6	Digital Input	Range Switch 3/C	gray/orange
19	Digital Out 5	Selectable H/L Multifunction/PWM/Solenoid Driver	-	pink/white
20	PWM Out 3/freq2	Selectable H/L Multifunction/Digital Driver	Spare Output 1	violet/lt. green
21	Digital Input 7	Digital Input	Range Switch 0/P	gray/yellow
22	Digital Input 8	Digital Input	TCC Release	gray/pink
23	Digital Input 9	Digital Input	Brake Light	brown/black
24	Digital Input 10	Digital Input	Spare Dig 1	brown/red
25	Digital Input 11	Digital Input	Spare Dig 2	brown/lt. green
26	Digital Input 12	Digital Input	Spare Dig 3	brown/lt. blue
27	Digital Out 6	Selectable H/L Multifunction/Digital Driver	-	pink/orange
28	PWM Out 2/freq1	Selectable H/L Multifunction/Digital Driver	TCC Pressure Control	violet/red
29	unused	-	-	-
30	RS-232 Transmit	Communications Cable	db9	white/orange
31	RS-232 Receive	Communications Cable	db9	white/lt. blue
32	CAN/RS-232 GND	Communications Cable	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	Selectable H/L Multifunction/PWM/Solenoid Driver	-	pink/lt. green
37	PWM Out 1/freq 1	Selectable H/L Multifunction/Digital Driver	Line Pressure	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	Selectable H/L Multifunction/PWM/Solenoid Driver	-	pink/lt. blue
45	PWM Out 6/freq 1	Selectable H/L Multifunction/Digital Driver	-	violet/orange
46	Analog Input 1	Analog Input	tps	yellow/black
47	Analog Input 2	Analog Input	map	yellow/red
48	Analog Input 3	Analog Input	cit	yellow/lt. green
49	Analog Input 4	Analog Input	Spare Analog 1	yellow/lt. blue
50	Analog Input 5/temp	Analog Input	-	yellow/white
51	Analog Input 6/temp	Analog Input	tft	yellow/orange
52	Pwm Out 5/freq 1	Selectable H/L Multifunction/PWM/Solenoid Driver	-	violet/white
53	Digital Out 2/PWM 8	Selectable H/L Multifunction/Digital Driver	2-3 Shift (Sol B)	pink/red
54	Sensor/AD Gnd	Sensor or reference Gnd	fluid temp/vss	black/white
55	unused	-	-	-
56	unused	-	-	-
57	unused	-	-	-
58	Ref Voltage (+5v)	Sensor or reference Voltage	-	red/white
59	Digital Out 1/PWM 7	Selectable H/L Multifunction/PWM/Solenoid Driver	1-2 Shift (Sol A)	pink/black
60	Gnd	Battery Connection	Gnd	black
61	Gnd	Battery Connection	Gnd	black
62	Gnd	Battery Connection	Gnd	black
63	Gnd	Battery Connection	Gnd	black

Pin	Color
1	orange/lt. blue
2	violet/lt. blue
3	pink/white
4	violet/lt. green
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	none
2	transmit	brown
3	receive	red
4	none	none
5	gnd	blue
6	none	none
7	none	none
8	none	none
9	none	none

Letter	Function	PCS Wire
A	Shift Sol (1-2) A-	pink/black
B	Shift Sol (2-3) B-	pink/red
C	Line Pressure+	violet/black
D	Line Pressure-	black
E	TCC, Sol A,B +12v	Red (16AWG)
F	Range A	gray/lt. blue
G	Range B	gray/white
H	Range C	gray/orange
J	Range P	gray/yellow
K	Range Gnd	black/white
L	ATF Temp+	yellow/orange
M	ATF Temp-	black/white
N	Range A	gray/black
P	Range C	gray/lt. green
R	Range B	gray/red
S	TCC Speed+	orange/lt. green
T	TCC PWM-	violet/red
U	TCC Release Switch	gray/pink
V	TCC Speed-	black/white