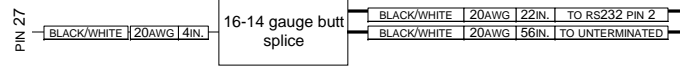
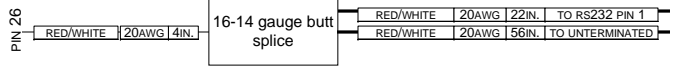


REV.	DESCRIPTION	DATE	BY
0	ORIGINAL	12/12/2005	JT
1	RS232 & CAN ADDED	4/12/2006	JT
2	ACCESSORIES ADDED, ERROR REVISIONS	8/10/2006	JB

Splice A:



Splice B:



Part Numbers:

CONNECTOR ASSEMBLY:	CON-0029/205839-3
BACKSHELL:	CON-0004/206070-1
TERMINAL:	CON-0044/5-66504-9

Part Numbers:

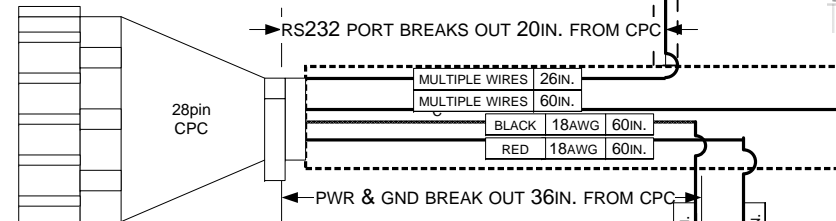
CONNECTOR ASSEMBLY:	CON-0083/206486-2
TERMINAL(20-18GAUGE):	CON-0045/66506-3
SHRINK TUBE:	WRE-4053/H3N1.00

RS232 Port

PIN	FUNCTION	COLOR
1	+5V	RED/WHITE
2	SIGNAL GROUND	BLACK/WHITE
3	RS232 Tx (TRANSMIT)	BROWN/BLACK
4	RS232 Rx (RECEIVE)	BROWN/RED
5	RS232 GROUND	BROWN/BLUE
6	NOT USED	-
7	NOT USED	-
8	NOT USED	-
9	NOT USED	-

Unterminated Wires

Wire	Color	Length
PWM 1	VIOLET/BLACK	7
PWM 2	VIOLET/RED	8
SPEED INPUT 1	ORANGE/BLACK	16
SPEED INPUT 2	ORANGE/RED	17
ANALOG INPUT 1	GRAY/BLACK	18
ANALOG INPUT 2	GRAY/RED	19
ANALOG INPUT 3	GRAY/LT.GREEN	20
ANALOG INPUT 4	GRAY/LT.BLUE	21
ANALOG INPUT 5	GRAY/WHITE	22
ANALOG INPUT 6	GRAY/ORANGE	23
ANALOG INPUT 7	GRAY/YELLOW	24
ANALOG INPUT 8	GRAY/PINK	25
REF VOLT (+5 SEN OUT)	RED/WHITE	26
SENSOR GND	BLACK/WHITE	27



Pin	Colors	Pin Function
1	Red	+12v
2*	Yellow/Black	OBD2 - PWM +/V PW
3*	Yellow/Red	OBD2 - PWM -
4*	Yellow/Lt.Green	OBD2 - Line
5*	Yellow/Lt.Blue	OBD2 - Kline
6*		
7	Violet/Black	PWM 1
8	Violet/Red	PWM2
9	White/Red	CAN A High
10*	Pink/Red	CAN B High
11*	Pink/Black	Can B Low
12	Brown/Black	RS-232 Transmit 1
13	Brown/Red	RS-232 Receive1
14	Brown/Blue	RS-232 Gnd1
15	White/Black	Can A Low
16	Orange/Black	Speed Input 1
17	Orange/Red	Speed Input 2
18	Gray/Black	Analog Input 1
19	Gray/Red	Analog Input 2
20	Gray/Lt. Green	Analog Input 3
21	Gray/Lt.Blue	Analog Input 4
22	Gray/White	Analog Input 5
23	Gray/Orange	Analog Input 6
24	Gray/Yellow	Analog Input 7
25	Gray/Pink	Analog Input 8
26	Red/White	Ref Volt (+5v Sen Out)
27	Black/White	Sensor Gnd
28	Black	Gnd

* Not Wired

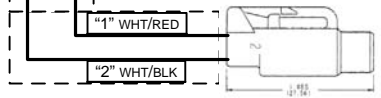
Part Numbers:

CONNECTOR ASSEMBLY:	CON-2200/15300027
FUSE CAP:	CON-2201/ES10CAP
TERMINAL(18-16GAUGE):	CON-1016/12048159
CABLE SEAL(20-16GAUGE):	CON-1004/12089679

Part Numbers:

CONNECTOR ASSEMBLY:	CON-5050/DTM06-2S
WEDGELOCK (ORANGE):	CON-5100/WM-2S
TERMINAL(20-18GAUGE):	CON-5200/1062-20-1022
SHRINK TUBE:	WRE-4053/H3N1.00

Twisted Pair

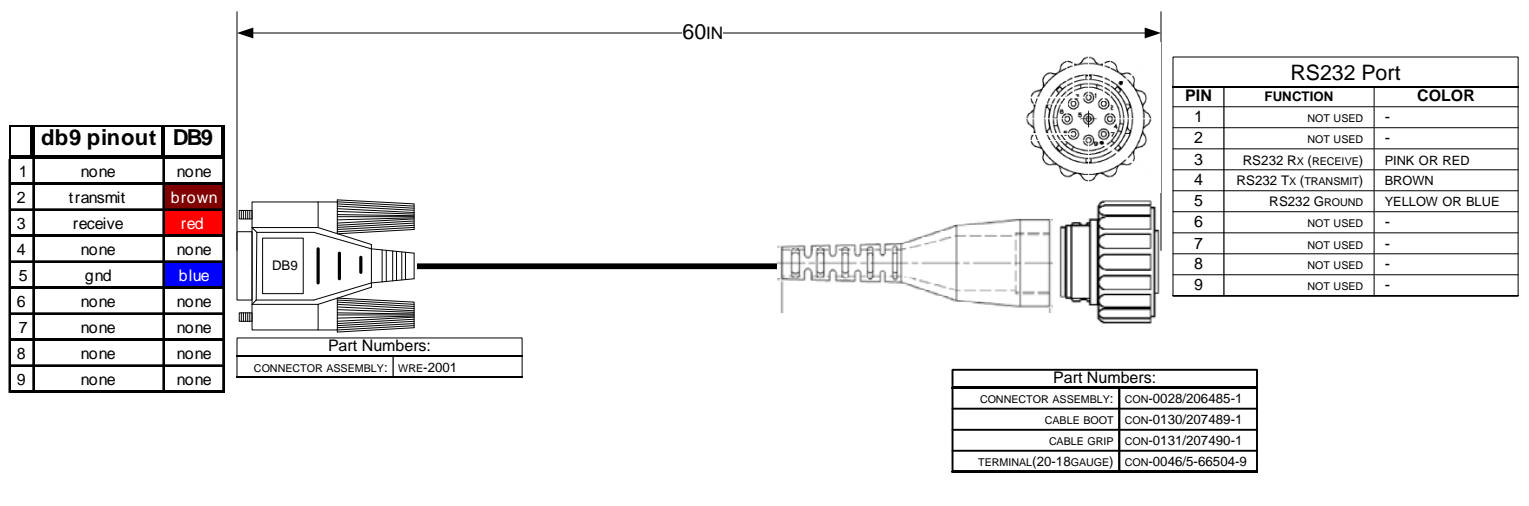


REV.	DESCRIPTION	DATE	BY
0	ORIGINAL	12/12/2005	JT
1	RS232 & CAN ADDED	4/12/2006	JT
2	ACCESSORIES ADDED, ERROR REVISIONS	8/10/2006	JB

C1	Colors	Pin Function	Harness Function	Example Connection
1	Red	+12v	Switched Power Input	Switch +12v source, Ignition Run Power
2	Yellow/Black	OBD2 - PWM +/VPW	OBDII Wiring - Not Populated	OBDII Port
3	Yellow/Red	OBD2 - PWM -	OBDII Wiring - Not Populated	OBDII Port
4	Yellow/Lt.Green	OBD2 - L-line	OBDII Wiring - Not Populated	OBDII Port
5	Yellow/Lt.Blue	OBD2 - K-line	OBDII Wiring - Not Populated	OBDII Port
6				
7	Violet/Black	PWM 1	Output Driver	Boost Solenoid, Nitrous solenoid, Extra injector
8	Violet/Red	PWM 2	Output Driver	Boost Solenoid, Nitrous solenoid, Extra injector
9	White/Red	CAN A High	1st CAN Bus high wire	PCS device, J1939, OEM CAN Bus
10	Pink/Red	CAN B High	2nd CAN Bus high wire	PCS device, J1939, OEM CAN Bus
11	Pink/Black	Can B Low	2nd CAN Bus low wire	PCS device, J1939, OEM CAN Bus
12		RS-232 Transmit 1	Serial Cable TX/GPS TX	Serial Cable, GPS
13		RS-232 Receive 1	Serial Cable RX/GPS RX	Serial Cable, GPS
14		RS-232 Gnd 1	Serial Cable Gnd/GPS Gnd	Serial Cable, GPS
15	White/Black	CAN A Low	1st CAN Bus low wire	PCS device, J1939, OEM CAN Bus
16	Orange/Black	Speed Input 1	Frequency Input 1	VSS, RPM, Turbine speed, wheel speed
17	Orange/Red	Speed Input 2	Frequency Input 1	VSS, RPM, Turbine speed, wheel speed
18	Gray/Black	Analog Input 1	Analog Input 1	TPS, MAP, Pressure, AFR, other 0-5v sensors
19	Gray/Red	Analog Input 2	Analog Input 2	TPS, MAP, Pressure, AFR, other 0-5v sensors
20	Gray/Lt. Green	Analog Input 3	Analog Input 3	TPS, MAP, Pressure, AFR, other 0-5v sensors
21	Gray/Lt. Blue	Analog Input 4	Analog Input 4	TPS, MAP, Pressure, AFR, other 0-5v sensors
22	Gray/White	Analog Input 5	Analog Input 5	TPS, MAP, Pressure, AFR, other 0-5v sensors
23	Gray/Orange	Analog Input 6	Analog Input 6	TPS, MAP, Pressure, AFR, other 0-5v sensors
24	Gray/Yellow	Analog Input 7	Analog Input 7 with selectable pullup resistor	TPS, MAP, Pressure, AFR, CLT, other 0-5v sensors
25	Gray/Pink	Analog Input 8	Analog Input 8 with selectable pullup resistor	TPS, MAP, Pressure, AFR, CLT, other 0-5v sensors
26	Red/White	Ref Voltage (+5v Sensor Output)	+5v reference voltage	+5v for TPS, MAP, Pressure, other 0-5v sensors
27	Black/White	Sensor Gnd	Sensor Ground	ground for TPS, MAP, Pressure, other 0-5v sensors
28	Black	Gnd	Main Ground	Battery or chassis ground

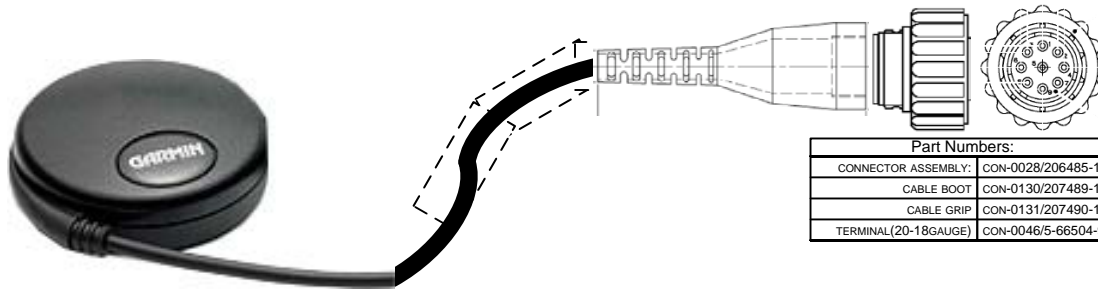
EXTRA WIRES	
1	Yellow/Black
2	Yellow/Red
3	Yellow/Lt.Green
4	Yellow/Lt.Blue
5	Pink/Red
6	pink/black

DIS-4100 Serial ECU Connection Kit (Sold Separately)



REV.	DESCRIPTION	DATE	BY
0	ORIGINAL	12/12/2005	JT
1	RS232 & CAN ADDED	4/12/2006	JT
2	ACCESSORIES ADDED. ERROR REVISIONS	8/10/2006	JB

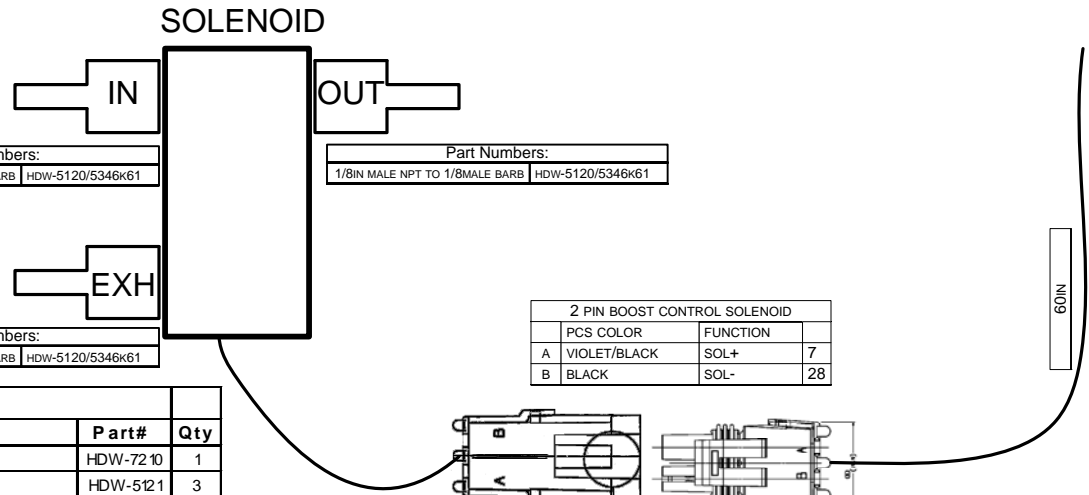
SNS-3200 Garmin 5Hz WAAS GPS (Sold Separately)



RS232 Port		
PIN	FUNCTION	COLOR
1	+5V	RED/WHITE
2	SIGNAL GROUND	BLACK/WHITE
3	RS232 Rx (RECEIVE)	BROWN/BLACK
4	RS232 Tx (TRANSMIT)	BROWN/RED
5	RS232 GROUND	BROWN/BLUE
6	NOT USED	-
7	NOT USED	-
8	NOT USED	-
9	NOT USED	-

Part Numbers:	
CONNECTOR ASSEMBLY:	CON-0028/206485-1
CABLE BOOT	CON-0130/207489-1
CABLE GRIP	CON-0131/207490-1
TERMINAL(20-18GAUGE)	CON-0046/5-66504-9

DIS-0500 Boost Control Kit (Sold Separately)



Part Numbers:	
1/8IN MALE NPT TO 1/8MALE BARB	HDW-5120/5346K61

Part Numbers:	
1/8IN MALE NPT TO 1/8MALE BARB	HDW-5120/5346K61

Part Numbers:	
1/8IN MALE NPT TO 1/8MALE BARB	HDW-5120/5346K61

2 PIN BOOST CONTROL SOLENOID		
PCS COLOR	FUNCTION	
A VIOLET/BLACK	SOL+	7
B BLACK	SOL-	28

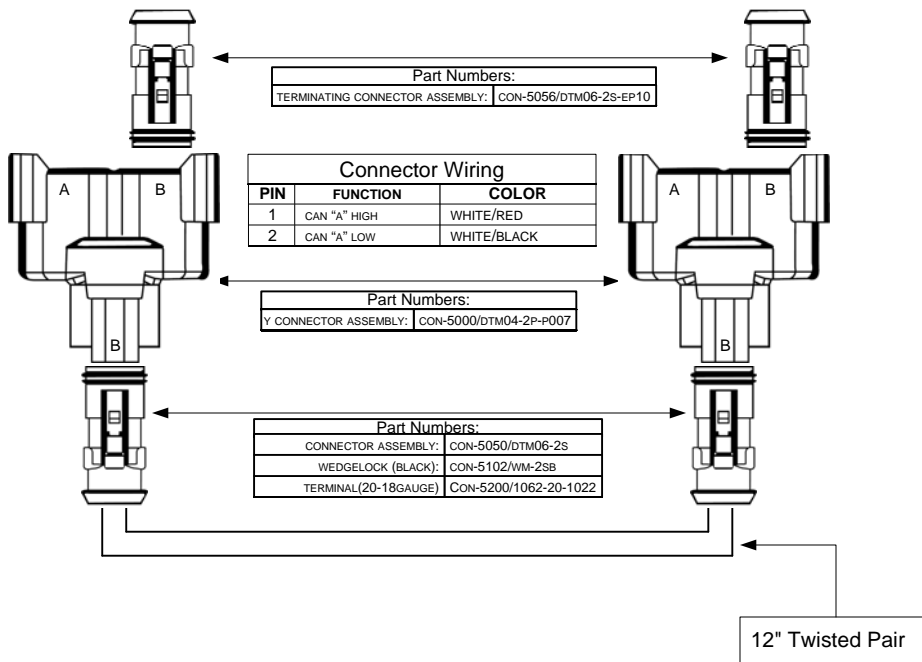
Part Numbers:	
CONNECTOR ASSEMBLY:	CON-4111/12010973
TERMINAL (20-18GAUGE):	CON-1011/12089188
SEAL (PURPLE):	CON-1004/12089679

Part Numbers:	
CONNECTOR ASSEMBLY:	CON-4110/12015792
TERMINAL (20-18GAUGE):	CON-1006/12089040
SEAL (PURPLE):	CON-1004/12089679

BOM			
#	Description	Part#	Qty
1	Solenoid	HDW-72 10	1
2	1/8in male npt to 3/16in male barb	HDW-5121	3
3	4" Zip Tie	WRE-3201	4
4	20-18 gauge heat shrink over non-insulated butt connector	CON-02 10	3
5	60in of 1/8in silicone hose, .100in wall	HDW-7250	5
6	2 way weatherpack female connector assembly, black	CON-4111	1
7	weatherpack female terminal, 20-18 gauge	CON-10 11	2
8	2.15-1.6mm Cable Seal, purple - 20-16 gauge	CON-1004	4
9	2 way weatherpack male connector assembly, black	CON-4110	2
10	weatherpack male terminal, 20-18 gauge	CON-1006	1
11	60in of black 20awg txl wire	WRE-0401	5
12	60in of violet/black 20awg txl wire	WRE-0482	5
13	Solenoid diagram	HDW-72 11	1

REV.	DESCRIPTION	DATE	BY
0	ORIGINAL	12/12/2005	JT
1	RS232 & CAN ADDED	4/12/2006	JT
2	ACCESSORIES ADDED, ERROR REVISIONS	8/10/2006	JB

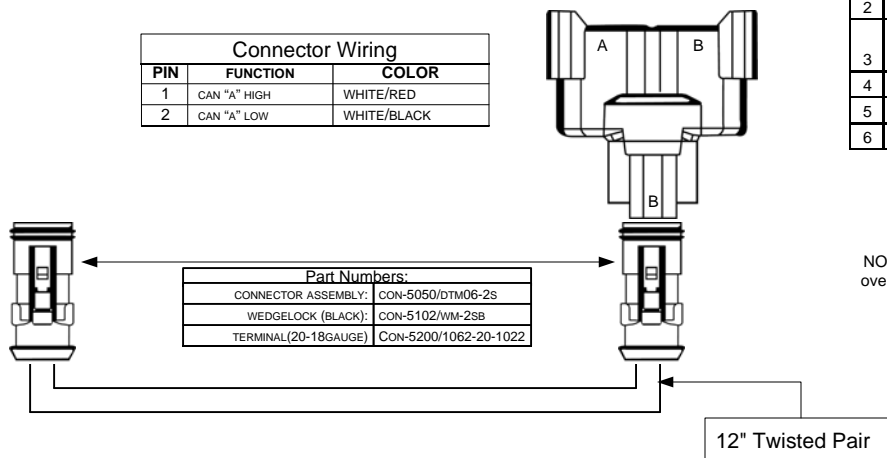
CON-5500 CAN Master Connection Kit (Sold Separately)



BOM			
#	Description	Part#	Qty
1	DTM04 CAN Y-Receptacle	CON-5000	2
2	Black, DTM06 Plug with termination resistor (120ohm) & end cap & "B" Wedgelock Key	CON-5056	2
3	Gray, DTM06 Plug with no options	CON-5050	2
4	Black "B" Pattern Wedgelock for Deutsch DTM06 Series	CON-5102	2
5	Duetsch Size 20 Socket	CON-5200	2
6	12in white/red txl wire	CON-0474	1
7	12in white/black txl wire	CON-0475	1

NOTE: Use this kit to connect two PCS devices over the high speed CAN bus

CON-5501 CAN Add-on Connection Kit (Sold Separately)



BOM			
#	Description	Part#	Qty
1	DTM04 CAN Y-Receptacle	CON-5000	1
2	Gray, DTM06 Plug with no options	CON-5050	2
3	Black "B" Pattern Wedgelock for Deutsch DTM06 Series	CON-5102	2
4	Duetsch Size 20 Socket	CON-5200	2
5	12in white/red txl wire	CON-0474	1
6	12in white/black txl wire	CON-0475	1

NOTE: Use this kit to connect additional PCS devices over the high speed CAN bus after connecting the first two devices with the Master kit listed above

REV.	DESCRIPTION	DATE	BY
0	ORIGINAL	12/12/2005	JT
1	RS232 & CAN ADDED	4/12/2006	JT
2	ACCESSORIES ADDED, ERROR REVISIONS	8/10/2006	JB

Connector Wiring

PIN	FUNCTION	COLOR
1	CAN "A" HIGH	WHITE/RED
2	CAN "A" LOW	WHITE/BLACK

CAN Connection Example (D200 connected to EGT & TCU over CAN bus)

