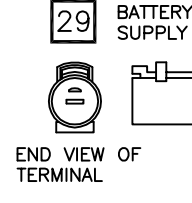
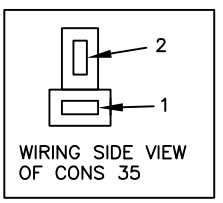
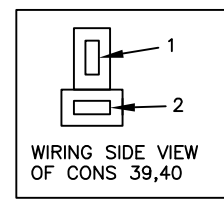
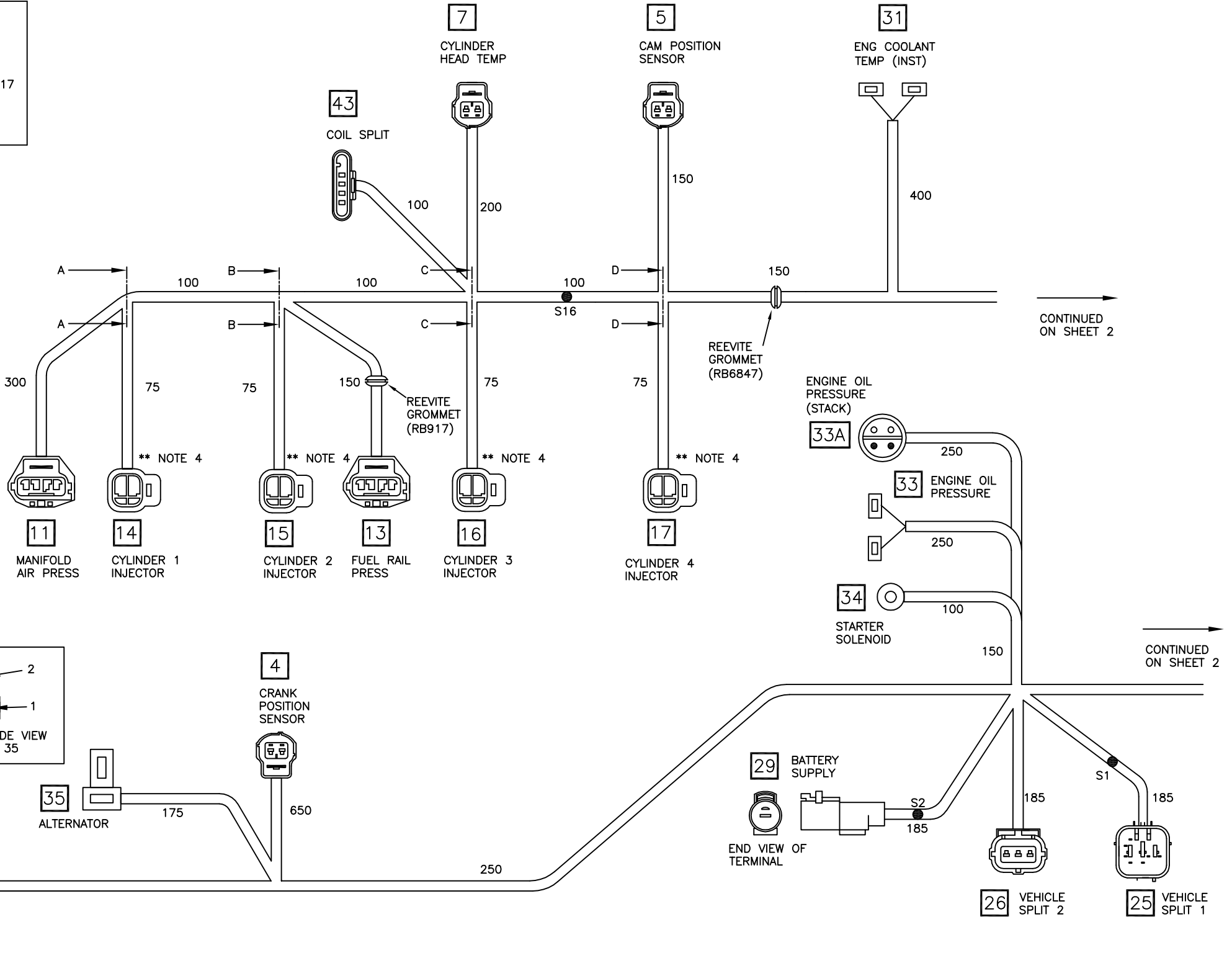


- THIN WALL AUTOMOTIVE CABLE TO BE USED THROUGHOUT.
- WIRES TO BE COLOUR CODED AS FOLLOWS :-
 - WHITE (WH) - SWITCHED VBATT
 - BROWN (BN) - PERMANENT VBATT
 - BLUE (BU) - SIGNAL RETURN
 - GREEN (GN) - SIGNAL
 - GREY (GY) - CHASSIS/BATTERY GND
 - YELLOW (YE) - VREF
- COVER ENTIRE LOOM WITH TAPED CONVULATED TUBE (UNLESS SHOWN HATCHED). HATCHED BRANCHES TO BE COVERED WITH WOVEN BRAID, NO CONDUIT. ENDS TO BE TAPED IN PLACE. BRANCHES SHOWN USE R.S. 298-2819.
 - USE R.S. 389-915.
 - USE R.S. 389-892.
- CONVULATED TUBE TO END 20mm FROM REAR OF CONNECTOR.
 - ** CON 14 TO 17 TUBE TO END 30mm FROM REAR OF CONNECTOR
- LABEL TO SHOW FOLLOWING DETAILS: PART NUMBER, ISSUE NUMBER, MANUFACTURING DATE.



CONTINUED ON SHEET 2

CONTINUED ON SHEET 2

SHEET 1 OF 2

IF IN DOUBT ASK NUMBER YD8086

UPDATE	YDUD0650	UPDATE	YDUD0638	UPDATE	YDUD0568	UPDATE	YDUD0560	UPDATE	YDUD0527	UPDATE	YDUD0469	UPDATE	YDUD0448	UPDATE	YDUD0436
ISSUE	8	ISSUE	7	ISSUE	6	ISSUE	5	ISSUE	4	ISSUE	3	ISSUE	2	ISSUE	1
CONN 6 LEAD LENGTH CHANGED. WAS 300mm. CONN 19 LEAD LENGTH CHANGED. WAS 375mm. BRANCH LENGTH CHANGED AT b2 SHEET 2. WAS 380mm.	13/7/05	CONN 26 PIN LOCATION DIAGRAM ADDED. WOVEN BRAID ADDED TO LEADS OF CONN'S 1 2 AND 3. NOTE 3 CHANGED.	8/7/05 SCW	CHANGE TO LAYOUT OF LOOM. CON'S 25, 26, 29.	26/5/05 MDW	CONN'S 27,28,29,30, MOVED. KNOCK SENSOR DELETED. VARIOUS LENGTH CHANGES.	25/5/05 MDW	CONN'S 27,28,9,10 5,13,36,30,3,2 & 1 HAVE BEEN MOVED. BATTERY SUPPLY CONN CHANGED. SOME LENGTH CHANGES	11/5/05 MDW	MAIN LABEL ADDED TO LOOM. CONNECTOR 6 DETAILS CLARIFIED	18/4/05 MDW	LENGTH OF CONN LEADS 1, 2 AND 3 INCREASED BY 300mm. WERE ALL 250mm. NO CHANGE TO THIS SHEET.	9/4/05 SCW	RELEASED FOR MANUFACTURE	4/4/05 SCW

THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT SHALL NOT BE LENT, COPIED OR DISCLOSED TO ANY OTHER PERSON OR USED FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF COSWORTH LTD.

GENERAL LOOM TOLERANCES UNLESS OTHERWISE STATED ALL DIMENSIONS GIVEN IN MILLIMETERS

LINEAR :- 0 TO 1000: -0, +10.
1001 TO 2000: -5, +20.
ADDITIONALLY THEREAFTER PER METER: -5, +20.

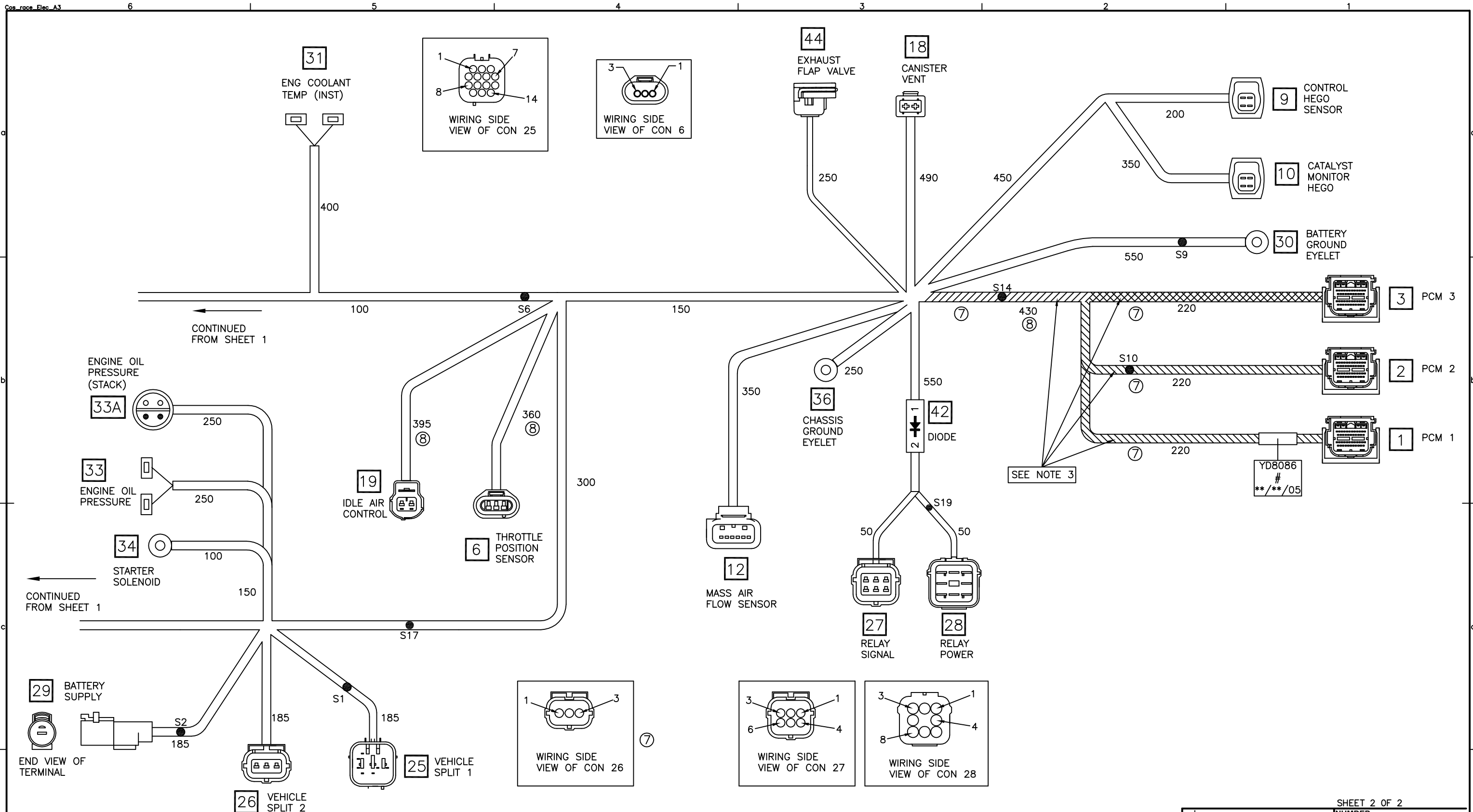
ANGULAR :- KEYWAY CLOCKING ANGLES : ±5.
MOULDED BOOT ANGLES : ±7.5

TOLERANCES PERTAIN TO LOOM FEATURES ONLY. FOR MACHINED FEATURES REFER TO ST0051

DRAWN	SCW	4/4/05
SCALE	N.T.S.	
MASS	N/A	
MAT'L		

COSWORTH

LOOM ASSY-PCM,C'HAM 200E



SHEET 2 OF 2
NUMBER YD8086

UPDATE	YDUD0650	UPDATE	YDUD0638	UPDATE	YDUD0568	UPDATE	YDUD0560	UPDATE	YDUD0527	UPDATE	YDUD0469	UPDATE	YDUD0448	UPDATE	YDUD0436
ISSUE	8	ISSUE	7	ISSUE	6	ISSUE	5	ISSUE	4	ISSUE	3	ISSUE	2	ISSUE	1
CONN 6 LEAD LENGTH CHANGED. WAS 300mm. CONN 19 LEAD LENGTH CHANGED. WAS 375mm. BRANCH LENGTH CHANGED AT b2. WAS 380mm.		CONN 26 PIN LOCATION DIAGRAM ADDED. WOVEN BRAID ADDED TO LEADS OF CONN'S 2 AND 3. NOTE 3 CHANGED.		CHANGE TO LAYOUT OF LOOM. CON'S 25, 26, 29.		CONN'S 27,28,29,30, MOVED. KNOCK SENSOR DELETED. VARIOUS LENGTH CHANGES.		CONN'S 27,28,9,10 5,13,36,30,3,2 & 1 HAVE BEEN MOVED. BATTERY SUPPLY CONN CHANGED. SOME LENGTH CHANGES		MAIN LABEL ADDED TO LOOM. CONNECTOR 6 DETAILS CLARIFIED		LENGTH OF CONN LEADS 1, 2 AND 3 INCREASED BY 300mm. WERE ALL 250mm.		RELEASED FOR MANUFACTURE	
13/7/05	SCW	8/7/05	SCW	26/5/05	MDW	25/5/05	MDW	11/5/05	MDW	18/4/05	MDW	9/4/05	SCW	4/4/05	

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GENERAL LOOM TOLERANCES UNLESS OTHERWISE STATED ALL DIMENSIONS GIVEN IN MILLIMETERS

LINEAR :- 0 TO 1000: -0, +10.
1001 TO 2000: -5, +20.
ADDITIONALLY THEREAFTER PER METER: -5, +20.

ANGULAR :- KEYWAY CLOCKING ANGLES : ±5.
MOULDED BOOT ANGLES : ±7.5

TOLERANCES PERTAIN TO LOOM FEATURES ONLY. FOR MACHINED FEATURES REFER TO ST0051

IF IN DOUBT ASK

DRAWN SCW 4/4/05

SCALE N.T.S.

MASS N/A

MAT'L

COSWORTH

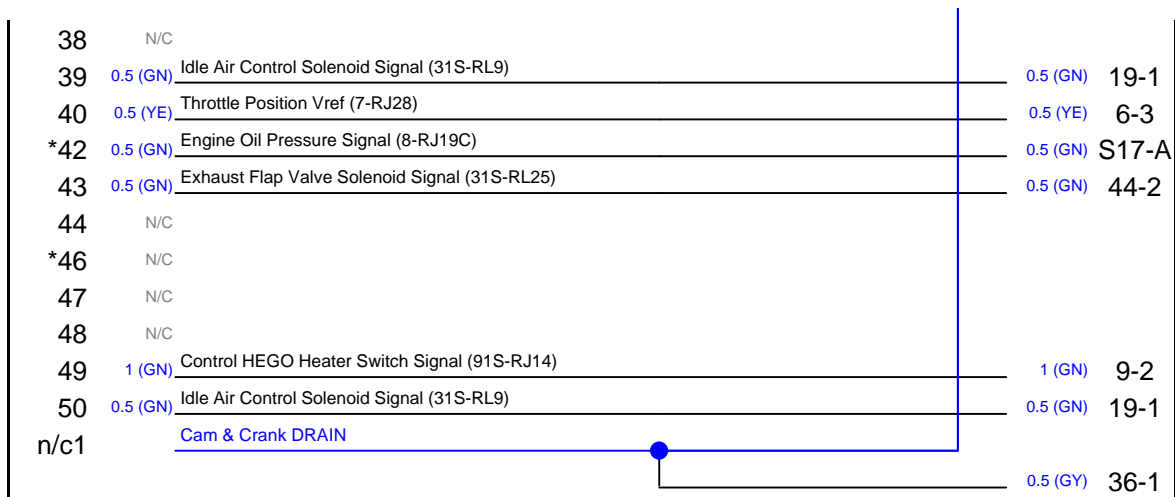
LOOM ASSEMBLY-PCM,C'HAM 200E

1

LOOM ASSY-PCM, C'HAM 200E	
YD8086 - 8	
PCM 1 - Engine	
Part	(TYCO 0-1438129-1)
Label	
Boot	
Instructions	Small terminal: TYCO 0-1393365-1, Large terminal (pins 47-50): MOLEX 33012-0002. Seal is integral with connector

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Cylinder 1 Coil Signal (15S-RR5), Clean Tach Output Signal (8-RJ23)	0.5 (GN) 43-1
		0.5 (GN) 25-2
2	0.5 (GN) Cylinder 1 Injector Signal (31S-RL10)	0.5 (GN) 14-1
3	0.5 (GN) Cylinder 2 Injector Signal (31S-RL11)	0.5 (GN) 15-1
4	0.5 (GN) Cylinder 3 Injector Signal (31S-RL12)	0.5 (GN) 16-1
5	0.5 (GN) Cylinder 4 Injector Signal (31S-RL13)	0.5 (GN) 17-1
6	N/C	
7	N/C	
8	N/C	
9	N/C	
10	N/C	
11	N/C	
12	0.5 (GN) Cylinder 2 Coil Signal (15S-RR6)	0.5 (GN) 43-2
13	N/C	
14	0.5 (GN) Exhaust Flap Valve Solenoid Signal (31S-RL25)	0.5 (GN) 44-2
15	N/C	
16	N/C	
17	N/C	
18	N/C	
19	0.5 (GN) Throttle Position Signal (8-RJ28)	0.5 (GN) 6-2
20	N/C	
21	N/C	
22	N/C	
23	0.5 (GN) Manifold Air Pressure Signal (8-RJ20)	0.5 (GN) 11-1
24	0.5 (GN) Cylinder 3 Coil Signal (15S-RR7)	0.5 (GN) 43-3
25	0.5 (GN) Cam Position Signal (8-RJ3)	0.5 (GN) 5-2
*41	0.5 (BU) Cam Position Return (9-RJ3)	0.5 (BU) 5-1
26	0.5 (GN) Malfunction Indicator Lamp Signal (8-RJ25)	0.5 (GN) 25-5
27	N/C	
28	N/C	
29	N/C	
30	0.5 (GN) Control HEGO Signal (8-RJ14)	0.5 (GN) 9-4
31	0.5 (GN) Fuel Temperature Signal (10-RJ11)	0.5 (GN) 13-3
32	N/C	
33	0.5 (GN) Cylinder Head Temperature Signal (8-RJ33)	0.5 (GN) 7-1
34	0.5 (GN) Crank Position Signal (8-RJ4)	0.5 (GN) 4-1
*45	0.5 (BU) Crank Position Return (9-RJ4)	0.5 (BU) 4-2
35	0.5 (GN) Cylinder 4 Coil Signal (15S-RR8)	0.5 (GN) 43-4
36	N/C	
37	0.5 (GN) Injection Pressure Signal (8-RJ11)	0.5 (GN) 13-1



2

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	PCM 2 - Cowl
Part	(TYCO 0-1438129-2)
Label	
Boot	
Instructions	Small terminal: TYCO 0-1393365-1, Large terminal (pins 47-50): MOLEX 33012-0002. Seal is integral with connector

COSWORTH

PIN	Title	Dest
1	N/C	
2	N/C	
3	N/C	
4	N/C	
5	N/C	
6	N/C	
7	N/C	
8	N/C	
9	N/C	
10	0.5 (GY) ECU Case (31-RE8)	0.5 (GY) 36-1
11	0.5 (GN) CAN_H (4-EC7)	0.5 (GN) 25-1
12	0.5 (GN) Fuel Pump Module Command Signal (31S-RE32)	0.5 (GN) 26-2
13	N/C	
14	N/C	
15	0.5 (GN) Fuel Level Signal (8-CE10)	0.5 (GN) 26-1
16	N/C	
17	N/C	
18	N/C	
19	N/C	
20	0.5 (GN) Intake Air Temperature Signal (8-RJ17)	0.5 (GN) 12-1
21	0.5 (GN) Fuel Pump Module Monitor Signal (15-RE16)	0.5 (GN) 26-3
22	N/C	
23	0.5 (GN) CAN_L (5-EC7)	0.5 (GN) 25-4
24	N/C	
25	N/C	
26	N/C	
27	N/C	
28	N/C	
29	N/C	
30	N/C	
31	N/C	
32	0.5 (GN) Mass Air Flow Signal (8-RJ22)	0.5 (GN) 12-3
33	N/C	
34	0.5 (GN) Canister Vent Solenoid Signal (91S-RL3)	0.5 (GN) 18-2
35	0.5 (WH) ECU Switched Vbatt (15S-RE8A)	0.5 (WH) S19-g
36	0.5 (WH) ECU Switched Vbatt (15S-RE8B)	0.5 (WH) S19-h
37	N/C	
38	0.5 (GN) Cooling Fan High Speed Control Signal (31S-PA17K)	0.5 (GN) 42a-1
39	0.5 (GN) Cooling Fan Low Speed Control Signal (31S-PA7)	0.5 (GN) 27-1
40	0.5 (YE) Manifold Air Pressure Vref (7-RJ20)	0.5 (YE) 11-2

41	0.5 (BU)	Sensor Return (9-RE8)	0.5 (BU)	S14-A
42		N/C		
43	0.5 (BU)	Mass Air Flow Return (9-RJ22)	0.5 (BU)	12-4
44	0.5 (GN)	FLASH EEPROM Programming Supply (29-RE14)	0.5 (GN)	25-12
45	0.5 (BN)	ECU KAM Vbatt (30-RE8)	0.5 (BN)	S2-d
46		N/C		
47	1 (GY)	ECU Gnd (91-RE8A)	1 (GY)	S10-a
48	1 (GY)	ECU Gnd (91-RE8B)	1 (GY)	S10-b
49	1 (GY)	ECU Gnd (91-RE8C)	1 (GY)	S10-c
50		N/C		
n/c1	0.5 (GN)	Manifold Air Temperature Signal (8-RJ21)	0.5 (GN)	11-3

3

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	PCM 3 - Trans
Part	(TYCO 0-1438129-3)
Label	
Boot	
Instructions	Small terminal: TYCO 0-1393365-1, Large terminal (pins 47-50): MOLEX 33012-0002. Seal is integral with connector

COSWORTH

PIN	Title	Dest
1	N/C	
2	N/C	
3	0.5 (GN) Vehicle Speed Signal (8-RJ29)	0.5 (GN) 25-10
4	N/C	
5	N/C	
6	N/C	
7	N/C	
8	N/C	
9	N/C	
10	N/C	
11	N/C	
12	N/C	
13	N/C	
14	N/C	
15	N/C	
16	0.5 (GN) Clutch Switch Signal (8-BB6)	0.5 (GN) 25-6
17	N/C	
18	N/C	
19	N/C	
20	N/C	
21	N/C	
22	N/C	
23	N/C	
24	0.5 (GN) Catalyst Monitor HEGO Signal (8-RJ15)	0.5 (GN) 10-4
25	N/C	
26	N/C	
27	N/C	
28	N/C	
29	N/C	
30	N/C	
31	N/C	
32	N/C	
33	N/C	
34	N/C	
35	N/C	
36	N/C	
37	N/C	
38	N/C	
39	N/C	
40	0.5 (YE) Injection Pressure Vref (7-RJ11), Engine Oil Pressure Vref (7-RJ19)	0.5 (YE) 13-2

41	N/C		0.5 (YE)	33a-2
42	N/C			
43	N/C			
44	N/C			
45	N/C			
46	N/C			
47	1 (GN)	Catalyst Monitor HEGO Heater Switch Signal (91S-RJ15)	1 (GN)	10-2
48	N/C			
49	N/C			
50	N/C			

4

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Crank Position Sensor
Part	(AMP 184207-1)
Label	
Boot	
Instructions	Terminal: AMP 184030-1, Seal: AMP 184140-1

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Crank Position Signal (8-RJ4)	0.5 (GN) 1-34
2	0.5 (BU) Crank Position Return (9-RJ4)	0.5 (BU) 1-45

5

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Cam Position Sensor
Part	(AMP 184207-1)
Label	
Boot	
Instructions	Terminal: AMP 184030-1, Seal: AMP 184140-1

COSWORTH

PIN	Title	Dest
1	0.5 (BU) Cam Position Return (9-RJ3)	0.5 (BU) 1-41
2	0.5 (GN) Cam Position Signal (8-RJ3)	0.5 (GN) 1-25

6

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Throttle Position Sensor
Part	(YAZAKI 7283-1334-30)
Label	
Boot	
Instructions	Terminal: YAZAKI 7116-1520-08, Seal: YAZAKI 7157-3891

COSWORTH

PIN	Title	Dest
1	0.5 (BU) Throttle Position Return (9-RJ28)	0.5 (BU) S14-a
2	0.5 (GN) Throttle Position Signal (8-RJ28)	0.5 (GN) 1-19
3	0.5 (YE) Throttle Position Vref (7-RJ28)	0.5 (YE) 1-40

7

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Cylinder Head Temperature
Part	(AMP 184020-1)
Label	
Boot	
Instructions	Terminal: AMP 184030-1, Seal: AMP 184140-1

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Cylinder Head Temperature Signal (8-RJ33)	0.5 (GN) 1-33
2	0.5 (BU) Cylinder Head Temperature Return (9-RJ33)	0.5 (BU) S14-c

9

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Control HEGO Sensor
Part	(YAZAKI 7283-5889-90)
Label	
Boot	
Instructions	Terminal: YAZAKI 7116-4102-08, Seal: QSR E-1644-00

COSWORTH

PIN	Title	Dest
1	1 (WH) Control HEGO Heater Vbatt (15S-RJ14)	1 (WH) S19-l
2	1 (GN) Control HEGO Heater Switch Signal (91S-RJ14)	1 (GN) 1-49
3	0.5 (BU) Control HEGO Return (9-RJ14)	0.5 (BU) S14-e
4	0.5 (GN) Control HEGO Signal (8-RJ14)	0.5 (GN) 1-30

10

COSWORTH

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Catalyst Monitor HEGO Sensor
Part	(YAZAKI 7283-5543-10)
Label	
Boot	
Instructions	Terminal: YAZAKI 7116-4102-08, Seal: QSR E-1644-00

PIN	Title	Dest
1	1 (WH) Catalyst Monitor HEGO Heater Vbatt (15S-RJ15)	1 (WH) S19-j
2	1 (GN) Catalyst Monitor HEGO Heater Switch Signal (91S-RJ15)	1 (GN) 3-47
3	0.5 (BU) Catalyst Monitor HEGO Return (9-RJ15)	0.5 (BU) S14-g
4	0.5 (GN) Catalyst Monitor HEGO Signal (8-RJ15)	0.5 (GN) 3-24

11

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Manifold Air Pressure
Part	(YAZAKI 7283-4078-10)
Label	
Boot	
Instructions	Terminal: YAZAKI 7116-4102-08, Seal: 7158-3031-90

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Manifold Air Pressure Signal (8-RJ20)	0.5 (GN) 1-23
2	0.5 (YE) Manifold Air Pressure Vref (7-RJ20)	0.5 (YE) 2-40
3	0.5 (GN) Manifold Air Temperature Signal (8-RJ21)	0.5 (GN) 2-n/c1
4	0.5 (BU) Manifold Air Pressure Return (9-RJ20)	0.5 (BU) S14-d

12

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Mass Air Flow Sensor
Part	(TYCO 1-1419168-2)
Label	
Boot	
Instructions	Terminal: 0-1393365-1. Seal is integral with connector.

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Intake Air Temperature Signal (8-RJ17)	0.5 (GN) 2-20
2	0.5 (BU) Intake Air Temperature Return (9-RJ17)	0.5 (BU) S14-b
3	0.5 (GN) Mass Air Flow Signal (8-RJ22)	0.5 (GN) 2-32
4	0.5 (BU) Mass Air Flow Return (9-RJ22)	0.5 (BU) 2-43
5	0.5 (GY) Mass Air Flow Gnd (91-RJ22)	0.5 (GY) S9-c
6	0.5 (WH) Mass Air Flow Vbatt (15-RJ22)	0.5 (WH) S1-b

13

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Fuel Rail Pressure
Part	(YAZAKI 7283-4078-10)
Label	
Boot	
Instructions	Terminal: YAZAKI 7116-4102-08, Seal: 7158-3031-90

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Injection Pressure Signal (8-RJ11)	0.5 (GN) 1-37
2	0.5 (YE) Injection Pressure Vref (7-RJ11)	0.5 (YE) 3-40
3	0.5 (GN) Fuel Temperature Signal (10-RJ11)	0.5 (GN) 1-31
4	0.5 (BU) Injection Pressure Return (9-RJ11)	0.5 (BU) S14-f

14

COSWORTH

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Cylinder 1 Injector
Part	(AFL/EPC E-2157-000)
Label	
Boot	
Instructions	Terminal: YAZAKI 7116-4102-02, Seal: QSR E-1644-02

PIN	Title	Dest
1	0.5 (GN) Cylinder 1 Injector Signal (31S-RL10)	0.5 (GN) 1-2
2	0.5 (WH) Cylinder 1 Injector Vbatt (15-RL10)	0.5 (WH) S16-a

15

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Cylinder 2 Injector
Part	(AFL/EPC E-2157-000)
Label	
Boot	
Instructions	Terminal: YAZAKI 7116-4102-02, Seal: QSR E-1644-02

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Cylinder 2 Injector Signal (31S-RL11)	0.5 (GN) 1-3
2	0.5 (WH) Cylinder 2 Injector Vbatt (15-RL11)	0.5 (WH) S16-b

16

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Cylinder 3 Injector
Part	(AFL/EPC E-2157-000)
Label	
Boot	
Instructions	Terminal: YAZAKI 7116-4102-02, Seal: QSR E-1644-02

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Cylinder 3 Injector Signal (31S-RL12)	0.5 (GN) 1-4
2	0.5 (WH) Cylinder 3 Injector Vbatt (15-RL12)	0.5 (WH) S16-c

17

COSWORTH

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Cylinder 4 Injector
Part	(AFL/EPC E-2157-000)
Label	
Boot	
Instructions	Terminal: YAZAKI 7116-4102-02, Seal: QSR E-1644-02

PIN	Title	Dest
1	0.5 (GN) Cylinder 4 Injector Signal (31S-RL13)	0.5 (GN) 1-5
2	0.5 (WH) Cylinder 4 Injector Vbatt (15-RL13)	0.5 (WH) S16-d

18

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Canister Vent Solenoid
Part	(BOSCH 1 928 403 137)
Label	
Boot	
Instructions	Part number includes terminals an seals

COSWORTH

PIN	Title	Dest
1	0.5 (WH) Canister Vent Solenoid Vbatt (15S-RL3)	0.5 (WH) S19-d
2	0.5 (GN) Canister Vent Solenoid Signal (91S-RL3)	0.5 (GN) 2-34

19

COSWORTH

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Idle Air Control Solenoid
Part	(AMP 184000-1)
Label	
Boot	
Instructions	Terminal: AMP 184030-3, Seal: AMP 184140-1

PIN	Title	Dest
1	0.5 (GN) Idle Air Control Solenoid Signal (31S-RL9)	0.5 (GN) 1-39
		0.5 (GN) 1-50
2	0.5 (WH) Idle Air Control Solenoid Vbatt (15S-RL9)	0.5 (WH) S19-e

25

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Vehicle Split 1
Part	(SUMTIMO 6181-0077)
Label	
Boot	
Instructions	Terminal: SUMITOMO 1500-0105, Small seal: SUMITOMO 7165-0385, Large seal: SUMITOMO 7165-0118, Blanking plug: 7161-9787, Retainer: SUMITOMO 6918-0337

COSWORTH

PIN	Title	Dest
1	0.5 (GN) CAN_H (4-EC7)	0.5 (GN) 2-11
2	0.5 (GN) Clean Tach Output Signal (8-RJ23)	0.5 (GN) 1-1
3	0.5 (BU) Instrument Return (9-RN7)	0.5 (BU) S6-A
4	0.5 (GN) CAN_L (5-EC7)	0.5 (GN) 2-23
5	0.5 (GN) Malfunction Indicator Lamp Signal (8-RJ25)	0.5 (GN) 1-26
6	0.5 (GN) Clutch Switch Signal (8-BB6)	0.5 (GN) 3-16
7	0.5 (GN) Engine Coolant Temperature Signal (8-RJ11)	0.5 (GN) 31-1
8	0.5 (GN) Engine Oil Pressure Signal (8-RJ19D)	0.5 (GN) S17-B
9	1 (WH) Fuel Pump Relay Module Vbatt (15S-RP3)	1 (WH) S19-c
10	0.5 (GN) Vehicle Speed Signal (8-RJ29)	0.5 (GN) 3-3
11	0.5 (GN) Alternator Charge Signal (8-RJ27)	0.5 (GN) 35-2
12	0.5 (GN) FLASH EEPROM Programming Supply (29-RE14)	0.5 (GN) 2-44
13	1 (WH) Ignition Sense (15-RN3)	1 (WH) S1-A
14	0.5 (GN) Starter Solenoid Relay Control Signal (8-BB12)	0.5 (GN) 27-6

26

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Vehicle Split 2
Part	(AMP 344273-1)
Label	
Boot	
Instructions	Terminal: AMP 345806-1, Seal: AMP 347874-1, Retainer: AMP 345256-1

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Fuel Level Signal (8-CE10)	0.5 (GN) 2-15
2	0.5 (GN) Fuel Pump Module Command Signal (31S-RE32)	0.5 (GN) 2-12
3	0.5 (GN) Fuel Pump Module Monitor Signal (15-RE16)	0.5 (GN) 2-21

27

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Relay Signal
Part	(AMP 344267-1)
Label	
Boot	
Instructions	Terminal: AMP 345806-1, Seal: AMP 347874-1, Blanking Plug: AMP 348161-1, Retainer: AMP 345260-1

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Cooling Fan Low Speed Control Signal (31S-PA7)	0.5 (GN) 2-39
2	0.5 (GN) Actuator Relay Control Signal (8-RP3)	0.5 (GN) S1-a
3	0.5 (GY) Actuator Relay Control Gnd (91S-RP3)	0.5 (GY) S9-f
4	0.5 (GY) Starter Solenoid Relay Control Gnd (91-BB12)	0.5 (GY) S9-b
5	0.5 (GN) Cooling Fan High Speed Control Signal (31S-PA17A)	0.5 (GN) 42-1
6	0.5 (GN) Starter Solenoid Relay Control Signal (8-BB12)	0.5 (GN) 25-14

28

COSWORTH

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Relay Power
Part	(AMP 344079-1)
Label	
Boot	
Instructions	Terminal 0.5-1.0mm: AMP 344070-1, Terminal 2.0-3.0mm: AMP 344009-1, Seal 0.5-1.0mm: AMP 347707-1, Seal 2.0-3.0mm: AMP 347713-1, Blanking Plug: AMP 172749-2, Retainer: AMP 344085-1

PIN	Title	Dest
1	2 (WH) Cooling Fan Low Speed Output (15S-PA7)	2 (WH) 39-2
2	2 (WH) Cooling Fan High Speed Output (15S-PA17)	2 (WH) 40-2
3	2 (BN) Actuator Relay Vbatt (15-BB12)	2 (BN) S2-a
4	3 (WH) Starter Solenoid Relay Output (50-BB12)	3 (WH) 34-1
5	2 (WH) Actuator Relay Output (15S-RP3)	2 (WH) S19-A
6	N/C	
7	3 (BN) HS Fan / Starter Solenoid Relay Vbatt (15-RP3)	3 (BN) S2-b
8	3 (BN) LS Fan Vbatt (15-PA7)	3 (BN) S2-c

29

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Battery Supply
Part	(SUMITOMO 6180-1851)
Label	
Boot	
Instructions	Terminal: SUMITOMO 8230-4062, Seal: SUMITOMO 7160-5110

COSWORTH

PIN	Title	Dest
1	4 (BN) Battery Supply (15-RN1)	4 (BN) S2-A

30

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Battery Ground Eyelet
Part	(M6 Eyelet)
Label	
Boot	
Instructions	25219-123-011. After crimping fit glue filled heatshrink over eyelet tail to provide mechanical support.

COSWORTH

PIN	Title	Dest
1	4 (GY) Battery Gnd (91-RN1)	4 (GY) S9-A

31

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Engine Coolant Temperature (Inst)
Part	(6.3mm FEMALE FASTON)
Label	
Boot	
Instructions	Terminal: AMP 41772-1, Cover: AMP 280232

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Engine Coolant Temperature Signal (8-RJ11)	0.5 (GN) 25-7
2	0.5 (BU) Engine Coolant Temperature Return (9-RJ11)	0.5 (BU) S6-a

33

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Engine Oil Pressure (Gauge)
Part	(6.3mm FEMALE FASTON)
Label	
Boot	
Instructions	Terminal: AMP 41772-1, Cover: AMP 280232

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Engine Oil Pressure Signal (8-RJ19A)	0.5 (GN) S17-a
2	0.5 (BU) Engine Oil Pressure Return (9-RJ19)	0.5 (BU) S6-b

34

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Starter Solenoid
Part	(M6 Eyelet)
Label	
Boot	
Instructions	After crimping fit glue filled heatshrink over eyelet tail to provide mechanical support.

COSWORTH

PIN	Title	Dest
1	3 (WH) Starter Solenoid Relay Output (50-BB12)	3 (WH) 28-4

35

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Alternator
Part	(AMP 926522-1)
Label	
Boot	
Instructions	Terminal: AMP 60295-2

COSWORTH

PIN	Title	Dest
1	1 (WH) Alternator Field Vbatt (15S-RN13)	1 (WH) S1-c
2	0.5 (GN) Alternator Charge Signal (8-RJ27)	0.5 (GN) 25-11

36

COSWORTH

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Chassis Ground Eyelet
Part	(M5 Eyelet)
Label	
Boot	
Instructions	After crimping fit glue filled heatshrink over eyelet tail to provide mechanical support.

PIN	Title	Dest
1	0.5 (GY) Cam Crank Drain (31-RE12), ECU Case (31-RE8)	0.5 (GY) 1-n/c1
		0.5 (GY) 2-10

39

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Low Speed Cooling Fan
Part	(AMP 180907-0)
Label	
Boot	
Instructions	Terminal: AMP 42100-1

COSWORTH

PIN	Title	Dest
1	2 (GY) Cooling Fan Low Speed Gnd (91-PA7)	2 (GY) S9-d
2	2 (WH) Cooling Fan Low Speed Output (15S-PA7)	2 (WH) 28-1

40

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	High Speed Cooling Fan
Part	(AMP 180907-0)
Label	
Boot	
Instructions	Terminal: AMP 42100-1

COSWORTH

PIN	Title	Dest
1	2 (GY) Cooling Fan High Speed Gnd (91-PA17)	2 (GY) S9-e
2	2 (WH) Cooling Fan High Speed Output (15S-PA17)	2 (WH) 28-2

42

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Diode - Anode
Part	(6.3mm FEMALE FASTON)
Label	
Boot	
Instructions	Terminal: AMP 42100-1

COSWORTH

PIN	Title	Dest
1 0.5 (GN)	Cooling Fan High Speed Control Signal (31S-PA17A)	0.5 (GN) 27-5

43

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Coil Split
Part	(AMP 282089-1)
Label	
Boot	
Instructions	Terminal: AMP 183025-1, Seal: 281934-3

COSWORTH

PIN	Title	Dest
1	0.5 (GN) Cylinder 1 Coil Signal (15S-RR5)	0.5 (GN) 1-1
2	0.5 (GN) Cylinder 2 Coil Signal (15S-RR6)	0.5 (GN) 1-12
3	0.5 (GN) Cylinder 3 Coil Signal (15S-RR7)	0.5 (GN) 1-24
4	0.5 (GN) Cylinder 4 Coil Signal (15S-RR8)	0.5 (GN) 1-35
5	1 (WH) Ignition Relay Output (15S-IG1)	1 (WH) S19-b

44

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Exhaust Flap Valve
Part	(BOSCH 17714)
Label	
Boot	
Instructions	Terminal: TYCO 927771-1

COSWORTH

PIN	Title	Dest
1	0.5 (WH) Exhaust Flap Valve Solenoid Vbatt (15S-RL25)	0.5 (WH) S19-f
2	0.5 (GN) Exhaust Flap Valve Solenoid Signal (31S-RL25)	0.5 (GN) 1-14
		0.5 (GN) 1-43

33a

COSWORTH

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Engine Oil Pressure (Stack)
Part	(SURESEAL 120-8552-102)
Label	
Boot	
Instructions	Terminal: SURESEAL 330-8672-100(M) SURESEAL 031-8703-100(F), Cavity Plug : SURESEAL 225-1012-000

PIN	Title	Dest
1	0.5 (GN) Engine Oil Pressure Signal (8-RJ19B)	0.5 (GN) S17-b
2	0.5 (YE) Engine Oil Pressure Vref (7-RJ19)	0.5 (YE) 3-40
3	0.5 (WH) Engine Oil Pressure Vbatt (15S-RJ19)	0.5 (WH) S1-d
4	0.5 (GY) Engine Oil Pressure Gnd (91-RJ19)	0.5 (GY) S9-g

42a

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Diode - Cathode
Part	(6.3mm MALE FASTON)
Label	
Boot	
Instructions	Terminal: AMP 42098-1

COSWORTH

PIN	Title	Dest
1 0.5 (GN)	Cooling Fan High Speed Control Signal (31S-PA17K)	0.5 (GN) 2-38

S1

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Splice - Ignition Vbatt (SW)
Part	()
Label	
Boot	
Instructions	Splice to be made using ultrasonic weld and covered with glue filled heatshrink

COSWORTH

PIN	Title	Dest
A	1 (WH) Ignition Sense (15-RN3)	1 (WH) 25-13
a	0.5 (GN) Actuator Relay Control Signal (8-RP3)	0.5 (GN) 27-2
b	0.5 (WH) Mass Air Flow Vbatt (15-RJ22)	0.5 (WH) 12-6
c	1 (WH) Alternator Field Vbatt (15S-RN13)	1 (WH) 35-1
d	0.5 (WH) Engine Oil Pressure Vbatt (15S-RJ19)	0.5 (WH) 33a-3

S10

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Splice - ECU Ground
Part	()
Label	
Boot	
Instructions	Splice to be made using ultrasonic weld and covered with glue filled heatshrink

COSWORTH

PIN	Title	Dest
A	1 (GY) ECU Gnd (91-RE8)	1 (GY) S9-a
a	1 (GY) ECU Gnd (91-RE8A)	1 (GY) 2-47
b	1 (GY) ECU Gnd (91-RE8B)	1 (GY) 2-48
c	1 (GY) ECU Gnd (91-RE8C)	1 (GY) 2-49

S14

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Splice - Sensor Return 1
Part	()
Label	
Boot	
Instructions	Splice to be made using ultrasonic weld and covered with glue filled heatshrink

COSWORTH

PIN	Title	Dest
A	0.5 (BU) Sensor Return (9-RE8)	0.5 (BU) 2-41
a	0.5 (BU) Throttle Position Return (9-RJ28)	0.5 (BU) 6-1
b	0.5 (BU) Intake Air Temperature Return (9-RJ17)	0.5 (BU) 12-2
c	0.5 (BU) Cylinder Head Temperature Return (9-RJ33)	0.5 (BU) 7-2
d	0.5 (BU) Manifold Air Pressure Return (9-RJ20)	0.5 (BU) 11-4
e	0.5 (BU) Control HEGO Return (9-RJ14)	0.5 (BU) 9-3
f	0.5 (BU) Injection Pressure Return (9-RJ11)	0.5 (BU) 13-4
g	0.5 (BU) Catalyst Monitor HEGO Return (9-RJ15)	0.5 (BU) 10-3

S16

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Splice - Injection Vbatt
Part	()
Label	
Boot	
Instructions	Splice to be made using ultrasonic weld and covered with glue filled heatshrink

COSWORTH

PIN	Title	Dest
A	1 (WH) Injector Relay Output (15S-IN1)	1 (WH) S19-a
a	0.5 (WH) Cylinder 1 Injector Vbatt (15-RL10)	0.5 (WH) 14-2
b	0.5 (WH) Cylinder 2 Injector Vbatt (15-RL11)	0.5 (WH) 15-2
c	0.5 (WH) Cylinder 3 Injector Vbatt (15-RL12)	0.5 (WH) 16-2
d	0.5 (WH) Cylinder 4 Injector Vbatt (15-RL13)	0.5 (WH) 17-2

S17

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Splice - Oil Pressure Signal
Part	()
Label	
Boot	
Instructions	Splice to be made using ultrasonic weld and covered with glue filled heatshrink

COSWORTH

PIN	Title	Dest
A	0.5 (GN) Engine Oil Pressure Signal (8-RJ19C)	0.5 (GN) 1-42
B	0.5 (GN) Engine Oil Pressure Signal (8-RJ19D)	0.5 (GN) 25-8
a	0.5 (GN) Engine Oil Pressure Signal (8-RJ19A)	0.5 (GN) 33-1
b	0.5 (GN) Engine Oil Pressure Signal (8-RJ19B)	0.5 (GN) 33a-1

S19

LOOM ASSY-PCM, C'HAM 200E	
YD8086 - 8	
Splice - Actuator Vbatt	
Part	()
Label	
Boot	
Instructions	Splice to be made using ultrasonic weld and covered with glue filled heatshrink

COSWORTH

PIN	Title	Dest
A	2 (WH) Actuator Relay Output (15S-RP3)	2 (WH) 28-5
a	1 (WH) Injector Relay Output (15S-IN1)	1 (WH) S16-A
b	1 (WH) Ignition Relay Output (15S-IG1)	1 (WH) 43-5
c	1 (WH) Fuel Pump Relay Module Vbatt (15S-RP3)	1 (WH) 25-9
d	0.5 (WH) Canister Vent Solenoid Vbatt (15S-RL3)	0.5 (WH) 18-1
e	0.5 (WH) Idle Air Control Solenoid Vbatt (15S-RL9)	0.5 (WH) 19-2
f	0.5 (WH) Exhaust Flap Valve Solenoid Vbatt (15S-RL25)	0.5 (WH) 44-1
g	0.5 (WH) ECU Switched Vbatt (15S-RE8A)	0.5 (WH) 2-35
h	0.5 (WH) ECU Switched Vbatt (15S-RE8B)	0.5 (WH) 2-36
l	1 (WH) Control HEGO Heater Vbatt (15S-RJ14)	1 (WH) 9-1
j	1 (WH) Catalyst Monitor HEGO Heater Vbatt (15S-RJ15)	1 (WH) 10-1

S2

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Splice - Permanent Vbatt 1
Part	()
Label	
Boot	
Instructions	Splice to be made using ultrasonic weld and covered with glue filled heatshrink

COSWORTH

PIN	Title	Dest
A	4 (BN) Battery Supply (15-RN1)	4 (BN) 29-1
a	2 (BN) Actuator Relay Vbatt (15-BB12)	2 (BN) 28-3
b	3 (BN) HS Fan / Starter Solenoid Relay Vbatt (15-RP3)	3 (BN) 28-7
c	3 (BN) LS Fan Vbatt (15-PA7)	3 (BN) 28-8
d	0.5 (BN) ECU KAM Vbatt (30-RE8)	0.5 (BN) 2-45

S6

COSWORTH

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Splice - Instrument Return
Part	()
Label	
Boot	
Instructions	Splice to be made using ultrasonic weld and covered with glue filled heatshrink

PIN	Title	Dest
A	0.5 (BU) Instrument Return (9-RN7)	0.5 (BU) 25-3
a	0.5 (BU) Engine Coolant Temperature Return (9-RJ11)	0.5 (BU) 31-2
b	0.5 (BU) Engine Oil Pressure Return (9-RJ19)	0.5 (BU) 33-2

S9

	LOOM ASSY-PCM, C'HAM 200E
	YD8086 - 8
	Splice - Battery Ground
Part	()
Label	
Boot	
Instructions	Splice to be made using ultrasonic weld and covered with glue filled heatshrink

COSWORTH

PIN	Title	Dest
A	4 (GY) Battery Gnd (91-RN1)	4 (GY) 30-1
a	1 (GY) ECU Gnd (91-RE8)	1 (GY) S10-A
b	0.5 (GY) Starter Solenoid Relay Control Gnd (91-BB12)	0.5 (GY) 27-4
c	0.5 (GY) Mass Air Flow Gnd (91-RJ22)	0.5 (GY) 12-5
d	2 (GY) Cooling Fan Low Speed Gnd (91-PA7)	2 (GY) 39-1
e	2 (GY) Cooling Fan High Speed Gnd (91-PA17)	2 (GY) 40-1
f	0.5 (GY) Actuator Relay Control Gnd (91S-RP3)	0.5 (GY) 27-3
g	0.5 (GY) Engine Oil Pressure Gnd (91-RJ19)	0.5 (GY) 33a-4