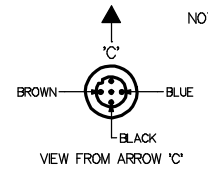
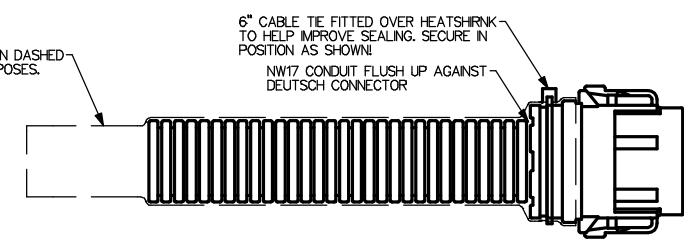
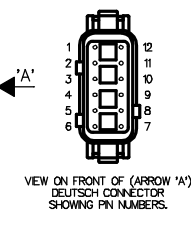


CONNECTIONS CHART			
LOOM CONNECTION	WIRE COLOR	12WAY DEUTSCH SOCKET NoS	FUNCTION
HOPPER LEVEL SIGNAL	YELLOW/GREEN	1	HOPPER LEVEL SIGNAL
FORWARD SPEED SIGNAL (+)	BROWN	2	FORWARD SPEED +V
FAN SPEED SIGNAL	BLACK	3	FAN SPEED SIGNAL
DISTRIBUTION SHAFT SIGNAL (S)	BROWN	4	DISTRIBUTION SHAFT SIGNAL +V
HOPPER LEVEL SIGNAL	BLUE	5	HOPPER LEVEL SIGNAL & FAN SPEED OV
FAN SPEED SIGNAL	BLUE		
TL ADVANCED (FINGER SWITCH)	BROWN	6	TL ADVANCED +V
FAN SPEED SIGNAL	BROWN	12	FAN SPEED SIGNAL & HOPPER LEVEL SIGNAL +V
HOPPER LEVEL SIGNAL	BROWN		
TL1 LEFT	BROWN	11	TL1 LEFT +V
TL1 LEFT	BLUE	10	TL1 LEFT OV
TL2 RIGHT	BROWN	9	TL2 RIGHT +V
TL2 RIGHT	BLUE	8	TL2 RIGHT OV
FORWARD SPEED SIGNAL (+)	BLUE	7	FORWARD SPEED SIGNAL (+), DISTRIBUTION SHAFT SIGNAL (S) & TL ADVANCED (FINGER SWITCH) OV
DISTRIBUTION SHAFT SIGNAL (S)	BLUE		
TL ADVANCED (FINGER SWITCH)	BLUE		



NOTE: CHECK WIRING OF M12 INDUCTIVE SENSOR CONNECTING CABLE (Z790-084) WITH CONTINUITY TESTER.

- ASSEMBLY NOTES:**
- CROP M12 INDUCTIVE SENSOR CONNECTING CABLE (ITEM 26) DOWN TO A LENGTH OF 1720mm.
 - ON THE 0.58M OF 3CORE 3AMP CABLE CROP BACK OUTER SHEATH 50mm AND 15mm RESPECTIVELY.
 - AT THE 50mm STRIP END, SLIDE AMP SUPERSEAL YELLOW WIRE SEALS OVER ALL 3 CORES THEN STRIP & TWIST CORES 4mm. SLIDE YELLOW WIRE SEAL SO THAT END IS ALIGNED WITH END OF WIRE INSULATION, AS BELOW:
 - CRIMP CORES WITH AMP SUPERSEAL TAB CONTACTS (USE POSITION MARKED 0.5 ON CRIMPERS) THEN INSERT INTO CONNECTOR AS SHOWN. AFTER INSERTING TABS INTO CONNECTOR PUSH RED LOCKING MECHANISM WITH SCREWDRIVER UNTIL IT SNAPS INTO PLACE.
 - SLIDE 15mm STRIPPED END ALONG WITH END OF INDUCTIVE SENSOR CABLE THROUGH NW17 CONDUIT (100mm).
 - STRIP BACK OUTER SHEATH ON INDUCTIVE SENSOR CABLE 15mm. CROP WHITE CORE BACK TO OUTER SHEATH. NOTE: INDUCTIVE SENSOR MAY BE SUPPLIED WITHOUT EXTRA WHITE CORE!
 - STRIP & TWIST BLACK (INDUCTIVE SENSOR) AND YELLOW/GREEN (3CORE) 5mm THEN CRIMP WITH DEUTSCH SOCKET CONTACT AND INSERT INTO CORRECT POSITION (REFERRING TO CHART) IN 12WAY DEUTSCH CONNECTOR.
 - CROP BROWN & BLUE CORES (INDUCTIVE SENSOR & 3CORE) DOWN TO 30mm. STRIP & TWIST ALL CORES 9mm.
 - TWIST BOTH BROWN CORES TOGETHER (INDUCTIVE SENSOR & 3CORE). CUT A PIECE OF BROWN 16/0.2 EQUIPMENT WIRE TO 95mm. STRIP ONE END OF THE EQUIPMENT WIRE 18mm, THEN FOLD IN HALF LEAVING YOU A 9mm STRIP LENGTH. USING A BLUE SEALED SPLICE (T610-078), CRIMP THE TWO BROWN CORES TWISTED TOGETHER TO ONE END AND CRIMP THE BROWN EQUIPMENT WIRE IN THE OTHER END. SHRINK THE TWO ENDS OF THE SPLICE. STRIP THE REMAINING END OF THE BROWN EQUIPMENT WIRE 5mm THEN CRIMP WITH A DEUTSCH SOCKET CRIMP AND INSERT INTO 12 WAY DEUTSCH CONNECTOR AS STATED IN CHART.
 - REPEAT ASSEMBLY NOTE 9 FOR THE BLUE CORES, USING BLUE EQUIPMENT WIRE TO CONNECT BETWEEN THE DEUTSCH CONNECTOR AND THE SPLICE.
 - CROP 2 LENGTHS OF 2CORE 6AMP CABLE TO 335mm, STRIP BACK OUTER SHEATH 50mm AT ONE END AND 15mm AT THE OTHER (ON BOTH CABLES).
 - AT THE 50mm END ON BOTH CABLES STRIP & TWIST CORES 5mm THEN CRIMP WITH 1/4" RED PUSH-ONS (4 POSITIONS).
 - ASSEMBLE "TL1" & "TL2" SELF LAMINATE CABLE MARKERS TO CABLES IN POSITIONS AS SHOWN (THIS WILL HELP IDENTIFYING CABLES WHEN WIRING).
 - SLIDE OTHER ENDS OF CABLE THROUGH NW17 CONDUIT. ONCE THROUGH CONDUIT STRIP & TWIST ALL CORES 5mm AND CRIMP WITH DEUTSCH SOCKET CONTACTS AND INSERT INTO CONNECTOR REFERRING TO WIRING CHART.
 - TAKE 1.56M OF 2CORE 3AMP AND STRIP BACK OUTER SHEATH ONE END 30mm, STRIP & TWIST CORES 5mm.
 - INSERT STRIPPED END THROUGH CABLE GLAND (ITEM 15) THEN THROUGH ACCESS HOLE IN FINGER SWITCH, ATTACH STRIPPED ENDS TO SCREW TERMINALS AS SHOWN. NOTE THAT POLARITY IN UN-IMPORTANT. TIGHTEN CABLE GLAND FULLY.
 - INSERT OTHER END THROUGH NW17 CONDUIT THEN STRIP BACK OUTER SHEATH 15mm. STRIP & TWIST BROWN CORE 5mm AND CRIMP WITH DEUTSCH SOCKET CONTACT THEN INSERT INTO CONNECTOR REFERRING TO WIRING CHART.
 - CROP ONE OF THE SHAFT SPEED SENSORS DOWN TO A LENGTH OF 1360mm. APPLY AN "S" SELF-LAMINATE CABLE MARKER TO THIS SENSOR.
 - CROP THE SECOND SHAFT SPEED SENSORS DOWN TO A LENGTH OF 1930mm. APPLY A "H" SELF-LAMINATE CABLE MARKER TO THIS SENSOR.
 - INSERT BOTH SHAFT SPEED SENSORS THROUGH NW17 CONDUIT THEN STRIP BACK OUTER SHEATHS 15mm. STRIP & TWIST BOTH BROWN CORES 5mm AND CRIMP WITH DEUTSCH SOCKET CONTACTS THEN INSERT INTO CONNECTOR REFERRING TO CHART.
 - CROP BLUE CORES FROM THE 2 SHAFT SPEED SENSORS DOWN TO 30mm. STRIP THESE CORES 9mm THEN TWIST BOTH CORES TOGETHER.
 - CUT A PIECE OF BLUE 16/0.2 EQUIPMENT WIRE TO 95mm. STRIP 1 END OF THE EQUIPMENT WIRE 9mm. STRIP THE BLUE CORE FROM THE 2CORE 3AMP CABLE 9mm. TWIST THIS CORE TOGETHER WITH THE STRIPPED END OF THE BLUE EQUIPMENT WIRE.
 - USING A BLUE SEALED SPLICE (T610-078) CONNECT THE TWO CORES FROM THE SHAFT SPEED SENSORS INTO ONE END. CONNECT THE BLUE CORE FROM THE 2CORE 3AMP CABLE AND THE BLUE EQUIPMENT WIRE TO THE REMAINING END. SHRINK THE TWO ENDS OF THE SPLICE.
 - STRIP THE REMAINING END OF THE BLUE EQUIPMENT WIRE 5mm, THEN CRIMP WITH A DEUTSCH SOCKET CRIMP AND INSERT INTO 12WAY DEUTSCH CONNECTOR AS STATED IN CONNECTION CHART.
 - CAREFULLY WORK CONDUIT UP AND OVER ALL CORES AND SPLICES UNTIL FLUSH WITH END OF DEUTSCH CONNECTOR AS SHOWN.
 - SLIDE 45mm OF 32/8 HEATSHRINK OVER DEUTSCH CONNECTOR AND CONDUIT THEN SHRINK INTO POSITION AS SHOWN. WHEN SHRUNK FIT 6" CABLE TIE AS SHOWN WHICH SHOULD PRESS HEATSHRINK ONTO FLAT SURFACE OF DEUTSCH CONNECTOR (SEE ARROW 'B') ENSURE THAT HEATSHRINK ADHERES TO CONNECTOR PROPERLY.
 - ASSEMBLE SELF-LAMINATE LABEL TO HEATSHRINK AS SHOWN. PLACE WHITE EDGE OF LABEL (WITH TEXT ON) ONTO HEATSHRINK, SO THAT TEXT RUNS ALONG HEATSHRINK (POSITIONED APPROX. 20mm FROM END OF CONNECTOR). WRAP LABEL AROUND THE HEATSHRINK SO THAT CLEAR LAMINATE WRAPS OVER TEXT AND PROTECTS IT.

DIMENSIONS IN mm

ISSUE	D.O.I.	SIGN	DATE	ISSUE	D.O.I.	SIGN	DATE	MATERIAL	TOLERANCES	SCALE	TITLE
01	5945	AS	19.2.03						UNLESS OTHERWISE STATED	1:1	WIZARD MFDC WIRING LOOM
02	5986	MB	22.4.03							AS	
03	6071	MB	12.9.03							CHECKED	
04	6621	MB	15.5.07							APP'D	COMPUTER NO. S/CB/217-2-003
05	6647	MB	26.7.07								DRG. NO. CB217-2-003

ITEM	PART NO.	QTY	DESCRIPTION
28	F724-003	1	CABLE TIE 6" WHITE
27	W683-017	95mm	EQUIPMENT WIRE 16/0.2 BROWN
26	Z790-084	1	M12 INDUCTIVE SENSOR CONNECTING CABLE
25	V673-043	1	SELF LAMINATE CABLE MARKER "TL2"
24	V673-042	1	SELF LAMINATE CABLE MARKER "TL1"
23	T609-002	4	CRIMP RED PUSH-ON 1/4" FEMALE
22	W681-003	0.67M	CABLE 2CORE 6AMP ROUND BLACK
21	T610-089	3	AMP SUPERSEAL TAB CONTACT
20	T608-167	3	AMP SUPERSEAL WIRE SEAL YELLOW
19	T608-241	1	AMP SUPERSEAL WAY TAB HOUSING
18	T608-225	1	AMP SUPERSEAL 2WAY TAB HOUSING
17	W681-001	0.58M	CABLE 3CORE 3AMP ROUND BLACK
16	-	-	-
15	G734-036	1	CABLE GLAND 9432034
14	S627-030	1	FINGER SWITCH
13	W681-012	1.56M	CABLE 2CORE 3AMP ROUND BLACK
12	V673-004	1	SELF LAMINATE CABLE MARKER "S"
11	V673-003	1	SELF LAMINATE CABLE MARKER "H"
10	F713-011	4	M12 INTERNAL SHAKEPROOF WASHER ST/ST
9	Z782-006	2	SHAFT SPEED SENSOR RP399
8	W683-013	190mm	EQUIPMENT WIRE 16/0.2 BLUE
7	T610-078	3	BLUE SEALED SPLICE 14-16
6	V677-375	1	WIZARD MFDC "PE" WIRING LOOM S/L LABEL
5	V671-005	145mm	HEATSHRINK 32/8 SELF ADHESIVE
4	Z790-041	100mm	CORRUGATED PIPE NOMINAL WIDTH 17
3	T608-239	1	DEUTSCH DTM SERIES LOCKING WEDGE
2	T608-240	12	DEUTSCH DTM SERIES SOCKET CRIMP 0.2-0.5mm ²
1	T608-238	1	DEUTSCH DTM SERIES 12WAY GREY PLUG

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