



C3 HALL LIGHT (OK TO SHIFT)			
PIN	CIRCUIT FUNCTION	COLOR	NOTES
1	+12V WHEN NEUTRAL	TAN/BLK	
2	BRAKE PRES SW	BRN/BLU	

C3 HALL LIGHT (OK TO SHIFT)			
QTY	DESCRIPTION	P/N	NOTES
1	CONNECTOR	CON-5511	
2	TERMINALS	CON-5401	
1	TPA	CON5512	

LABEL DEFINITION TABLE			
NUM	NAME	STOCK #	NOTES
L1	P-4100-001	594-01105	P-518
L2	+12V SW	594-09105	P-31
L3	GROUND	594-09105	P-32
L4	HALL LIGHT OK TO SHIFT	594-09105	P-514
L5	PCS DIAGNOSTIC CON	594-09105	P-515
L6	BRAKE PRES SWITCH	594-09105	P-516
L7	TO E-SHIFTER	594-09105	P-517

REVISION HISTORY				
LEVEL	DESCRIPTION	DATE	DRN	APP
1	RELEASE	3/21/19	FD	
IA	TEXT UPDATES	8/13/19	FD	

PCS DIAGNOSTIC CON			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	CAN HIGH	WHT/RED	C2-10
2	CAN LOW	WHT/BLK	C2-11

PCS DIAGNOSTIC CON			
QTY	DESCRIPTION	P/N	NOTES
1	CONNECTOR	CON-5050	DTM06-2s
2	TERMINALS	CON-5200	1062-20-1022
1	WEDGE LOCK	ORANGE	WM-2s

C-2 BULKHEAD CONNECTOR			
QTY	DESCRIPTION	PCS P/N	NOTES
1	CONNECTOR	CON-5542	GRY
12	TERMINALS	CON-5400	
1	WEDGE	CON-5508	GRN

C2 BULKHEAD CONNECTOR			
PIN	CIRCUIT FUNCTION	COLOR	GOES TO
1	NEUTRAL SAFETY	BRN/RED	C1-5
2	SIGNAL GND	BLK/WHT	C1-2
3	SIGNAL GND	TAN/BLK	C2-1
4	GND WHEN REV	BRN/BLK	C1-4
5	NC	NC	NC
6	NC	NC	NC
7	SW +12V	YEL 16 AWG	R1
8	BLK GROUND	BLK 16 AWG	R2
9	BRN/GRN	BRN/GRN	C1-6
10	CAN 1-A HIGH	WHT/RED	C3-A
11	CAN 1-B LOW	WHT/BLK	C3-B
12	BRAKE PRES SWITCN	BRN/BLU	S1, R3, C1-3, C3-2

C1 6 PIN DEUTSCH TO TCU HARNESS			
QTY	DESCRIPTION	PCS P/N	NOTES
1	CONNECTOR	CON-5518	FIM
6	TERMINALS	CON-5401	
1	WEDGE LOCK	CON-5519	
0	CAVITY PLUG	CON5210	

C1 PIN DEUTSCH TO TCU HARNESS			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	NC	NC	NC
2	SIGNAL GND	BLK/WHT	C2-2
3	BRAKE PRES SWITCN	BRN/BLU	S1, C3-2, C2-12
4	GND WHEN REV	BRN/BLK	
5	NEUTRAL SAFETY	BRN/RED	
6	GND WHEN FWARD	BRN/GRN	

LOOM DEFINITION TABLE			
LOCATION	DISCRIPTION	LENGTH	PCS PART#
LOOM1	3/8" BLACK CONVOLUTED LOOM	6"	WRE-3001
LOOM2	1/4" BLACK CONVOLUTED LOOM	4"	WRE-3000
LOOM3	1/4" BLACK CONVOLUTED LOOM	5.5"	WRE-3000
LOOM4	NOT USED		
LOOM5	1/4" BLACK CONVOLUTED LOOM	7.5"	WRE-3000

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3	BRAKE PRES SWITCN	BRN/BLU	S1, C3-2, C2-12
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APPLICABLE STANDARDS

- ASME Y14.100-200
- ASME Y14.5M-1994
- IPC/WHMA-A-620A-CLASS 2
- MARK IAW MIL-STD-130.

NOTES

- WIRE LENGTH TOLERANCE +/- 1/2 INCH
- WIRE GAUGE IS 20 AWG UNLESS OTHERWISE STATED
- TAPE ALL LOOM JOINTS UNLESS OTHERWISE STATED
- TWIST INDICATED WIRES AT LEAST 10-12 TURNS PER FOOT
- PLACE TAGS NO MORE THAN 2" FROM CONNECTOR. PLACE TAGS FOR UNTERMINATED WIRES NO MORE THAN 2" FROM UNTERMINATED END.
- WIRE TYPE IS TXL UNLESS OTHERWISE STATED

Print Date: 8/13/2019 1700

DRAWN BY: FRED D. DATE: 3/21/2019

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LOCATION	DISCRIPTION	LENGTH	PART#
LOOM1	3/8" BLACK CONVOLUTED LOOM	90"	WRE-3001
LOOM2	1/4" BLACK CONVOLUTED LOOM	9"	WRE-3000
LOOM3	1/4" BLACK CONVOLUTED LOOM	16"	WRE-3000
LOOM4	1/4" BLACK CONVOLUTED LOOM	6"	WRE-3000
LOOM5	1/4" BLACK CONVOLUTED LOOM	36"	WRE-3000

COMPANY: POWERTRAIN CONTROL SOLUTIONS

TITLE: DELTA IES ADAPTER- 2019-03-12-0002

SIZE: C	CUSTOMER DRAWING NO:	PCS PART NUMBER: IES-4100-001	REV: 001
APPROVED BY:		DATE:	SHEET PAGE 1