

RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPO
P08717-04	-	-	INITIAL RELEASE	S P	08/09/01	PCB

D

C

B

A

WIRE SIZE SHOWN IN mm ²	
GAUGE/ METRIC	AWG
0.35	22
0.50	20
0.80	18
1.00	16
2.00	14
3.00	12
5.00	10
8.00	8
13.00	6
19.00	4
32.00	2
40.00	1
50.00	0
62.00	2/0

ABS-PNEUMATIC,AMU,4S4M W/O ATC,EOF TOWING (ABS)

- PART NUMBERS SHOWN ARE FOR REFERENCE ONLY, MAY NOT BE INDICATIVE FOR SPECIFIC TRUCK IN PRODUCTION
- HARNESSES FOUND IN MODULES 332 (ABS), 333 (ABS), 288 (FWD CHASSIS), 320 (MCH) AND 321(FRONT WALL)
- CIRCUITS 377RF+,377RF-,377LF+ AND 377LF-SHALL USE JACKETED CABLE PER WABCO SPC 449-711-1000
- CIRCUITS 377RR+,377RR-,377LR+ AND 377LR- SHALL USE JACKETED CABLE PER WABCO SPC 449-711-2000
- TRACTOR ABS INDICATOR MAY ALSO BE MESSAGED BETWEEN ICU3-M2 AND ABS ECU
- ABS ECU IS PROTECTED WITH 15 AMP FUSE

DO NOT SCALE COPIES OF THIS DRAWING

ABS ECU

GRAY
ABS_H_ECU1_CX1

ABS_H_FWD_CHAS_C4 FWD_CHAS_H_ABS_C4

FWD_CHAS_H_PDM_MAIN_CD

TO PWR DISTR
SUBSYSTEM
(MOD285)

6

+12V BATTERY 1
+12V IGN 2
ATC LMP/ATC SW 3
RETARDER 5
J1939 SHIELD 8
GND 11
GND 12

1 1
2 2
3 3
5 5
8 8
11 11
12 12

ABS_1
(REF SHT 2)

REF GND (MOD280)
LH BACK-OF-CAB #2(BOC)
M10(3/8) STUD
GND_D_BOC2_LH

REF GND (MOD280)
LH BACK-OF-CAB #3(BOC)
M10(3/8) STUD
GND_D_BOC3_LH

J1587 - 9
J1587 + 4
J1939 CAN-L 6
J1939 CAN-H 7

9 9
4 4
6 6
7 7

1587- # 1601 (O)-0.8
1587+ # 1601 (DKG)-0.8
1939- # 1603 (DKG)-0.8
1939+ # 1603 (Y)-0.8

ABS_H_FWD_CHAS_C5

1587- # 1601 (O)-0.8
1587+ # 1601 (DKG)-0.8

BLKA-1
BLKA-2

END OF LINE
RESISTOR

ABS NODE

ABS_H_TEE_1_C2A

GRY-1
GRY-2

1 1
2 2

1939+ # 1603 (Y)-0.8
1939- # 1603 (DKG)-0.8

ABS_H_TEE_1_C1A

BLKB-1
BLKB-2

1 1
2 2

1939+ # 1603 (Y)-0.8
1939- # 1603 (DKG)-0.8

TO DIAG
SUBSYSTEM
(MOD160)

REFERENCE COMPONENTS

ICU3 CLUSTER (MOD732)
P/N: A22-53849-000
MATING CON: PAC12110244;24W

PNEUMATIC ABS ECU (MOD 49A)
P/N: WAB446 106 202 0
MATING CON: DUFDT0612SA P012
DUFDT0612SB P012
DUFDT0612SC P012

CHASSIS MODULE (MOD335)
P/N: 06-34530-000
MATING CON: PAC15326084;16W

LEFT FRONT ABS SENSOR CABLE
ASSY: WAB449-711-031-0

RIGHT FRONT ABS SENSOR CABLE
ASSY: WAB449-711-046-0

FRONT ABS PNEUMATIC VALVE CABLE
ASSY: WAB449-413-090-0

LEFT REAR ABS SENSOR CABLE
ASSY: WAB449-711-022-0

RIGHT REAR ABS SENSOR CABLE
ASSY: WAB449-711-031-0

REAR ABS PNEUMATIC VALVE CABLE
ASSY: WAB449-413-090-0 (LEFT)
ASSY: WAB449-532-023-0 (RIGHT)

AIR MANIFOLD UNIT (MOD46E)
P/N: 12-18205
MATING CONN: PAC12052848

ITEM NUMBER: G06-41996-000	DESCRIPTION: WRG-ABS,PNEU,EOF PLC FILTER	FREIGHTLINER LLC		
		THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED. EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.		
		MATERIAL APPROVAL: xxx	DATE: xx/xx/xx	
		DRAWN BY: S.PERRON	DATE: 08/09/01	
ITEM/DRAWING NUMBER: G06-41996	REVISION LETTER: -	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EDSM 09E0-K17.		
		CHECKED BY: M.SCHATZ	DATE: 10/10/01	
		RESPONSIBLE ENGINEER: S.PERRON	DATE: 09/12/01	
		APPROVED BY: P.BRANDT	DATE: 10/10/01	
SUPPLEMENTARY DESCRIPTION: 330B4 M2		THIRD ANGLE PROJECTION	UNITS OF MEASURE MM	
REVISION LETTER: -		RESPONSIBLE MFG. ENGR: T.MOBERG	DATE: 09/12/01	
SHEET NUMBER: 1 OF 3		DATE: 09/12/01		

sheet 1

schematic

ABS_PNEUMATIC

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