CR1422 ASSAULTER™ POWER DISTRIBUTION CENTER PANEL A

REV A

MINNESOTA DEPARTMENT OF TRANSPORTATION

MNSTAR PATENTED TECHNOLOGY

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TO DASH HARNESS

ALL CONNECTORS ON THIS DRAWING ARE LOCATED INSIDE THE CAB OF THE TRUCK

To Panel Grounding Buss Bar

RD - HOT
OR - IGNITION (KEY-ON)
BK - GROUND
GY - RLY CONTROL
TN - SPARES
PK - FLASHER TRIGGER
WH - SENSORS

Conn. C15

1 18G. WH RTN FTR SN
2 18G. WH FILTER SNR
3 18G. WH PTO SNR
4 18G. WH HYD TMP SN
5 18G. WH BODY UP SN
6 18G. WH HYD LO SN
7 18G. BR/WH SN BUZZER
8 14G. GN HIBEAM
9 18G. GY BX SHKR SW
10 18G. GY FOG SW
11 18G. GY SANDER SW
12 18G. GY SCRAPER SW
13 18G. GY WING SW
14 18G. GY RH SPNR SW
15 18G. GY L1 LTNG SW
16 18G. GY L2 LTNG SW
17 18G. GY L3 LTNG SW
18 18G. GY MASTER SW
19 18G. GY TRL BAT SW
20 18G. GY SPR RLY SW
21 18G. GY PLW LTS SW
22 18G. GY PTO SW
23 16G. PK STB HI LO
24 14G. GY BACKUP SIG
25 14G. GY L BRK TRN
26 14G. GY R BRK TRN
27 14G. BR PARK LT SG
28 14G. GN HEAD LT SG
29 16G. YL/BK VH IGN 12V
30 14G. GN R FRT TRN
31 14G. YL L FRT TRN
32 14G. YL/WH HDLT BYPAS
33 14G. YL/WH HDLT BYPAS
34 14G. TN C28 SPR
35 16G. RD/WH CNTL 12V
36 16G. OR AUX 1
37 16G. OR AUX 2

Conn. C16

1 16G. OR AUX 4
2 14G. RD AUX 6
3 14G. RD AUX 7
4 14G. RD AUX 10
5 12G. RD AUX 13
6 12G. RD AUX 14
7 12G. BL TRLR BRK

TO LIGHTBAR

Conn. C6

1 16G. BL LB
2 16G. YL LB
3 16G. PU LB
4 16G. OR LB
5 16G. BR LB
6 16G. PK LB
7 16G. TN LB
8 16G. RD LB
9 16G. RD/WH LB

SPARE WIRES

AUGER SENSOR

Conn. C25

1 18G. RD AUGER SNR
2 18G. BK AUGER SNR
3 18G. GN AUGER SNR

Conn. C23A

1 14G. OR/WH SPNR OPR
2 14G. BK GND

SPARE RLY 1 — 87 40 amp load 86; 87a; 85; 30
12G. YL SPR RLY; 18G. GY SPR RLY SW

BACKUP LTS/ ALARM — 87 40 amp load 86; 87a; 85; 30
12G. BL BKUP LTS; 14G. GY BACKUP SIG

TRAILER BATT — 87 40 amp load 86; 87a; 85; 30
10G. RD TRLR BATT; 18G. GY TRL BAT SW

Conn. C26

1 SPARE
2 RELAY

12G. YL SPR RLY
12G. BK GND

14G. RD AUX 5
AUX 16

18G. BK GND
16G. RD/WH CNTL 12V

Warning Buzzer Diodes

14G. YL/RD L WING WRN
14G. YL/RD R WING WRN

1 2
Conn. C34
EMR WING LTS
USE 00-1467 FLASHER PIGTAIL

12G. RD AUX 17

POWER 1 — 80 — 10ga YL #13
POWER 2 — 80 — 10ga RD #14
PLOW LTS — 20 — 12ga RD #15
TURN/STOP LTS — 30 — 2 - 12ga WH #16
AUX 15 SPARES — 20 max
AUX 16 TRAILER BATT — 30 — 10ga RD #17
SPARE RLY — 30 max
IGNITION RLY — 40
HYD CNTL PWR — 40
SPARE — 80 max

12G. RD AUX 15

Max is actual size of fuse not load

RETURN FLTR SN
FILTER SN
X

CONTROL — 10 amp — 14ga YL #22
AUX 1 (SW PNL) — 15 max
AUX 2 (C28) — 20 max
AUX 3 (C17&47) — 25 max
AUX 4 (DR33) — 10 amp
AUX 5 (BKUP LTS) — 20 max — 10ga PU #11
12ga PU #19
AUX 6 (DR33) — 20 max
AUX 7 (C17&28) — 20 max
AUX 8 (FLH 1) — 20 max
14ga YL #23
AUX 9 (FLH 2) — 20 max
AUX 10 (DR33) — 20 max
AUX 11 (FLH 3) — 20 max
12ga RD #20
AUX 12 (STRB) — 30 amp
AUX 13 (BRK CNTL) — 25 CB
AUX 14 (RDO) — 25 max

L TURN/STOP — 87 20 amp load 86; 87a; 85; 30
PLOW LTS PWR — 87 35 amp load 86; 87a; 85; 30 — 12ga RD #15
R TURN/STOP — 87 20 amp load 86; 87a; 85; 30
PLOW HI/LO BM — 87 35 amp load 86; 87a; 85; 30 — 12ga WH #21
IGN / KEY ON — 87 35 amp load 86; 87a; 85; 30
LTS DISABLE — 87 35 amp load 86; 87a; 85; 30

TRUCK HEADLIGHT DIMMER SWITCH SIGNAL ADAPTER FOR POSITIVE OR NEGITIVE CONTROL TRUCKS

18G. GY PLOW LTS SW

BOX SHAKER SW

Conn. C24

1 2

16G. OR AUX 1
18G. GY BX SHKR SW

BUSS BAR BOLT FOR BATTERY CABLE

To Panel Grounding Buss Bar

12G. OR AUX 3
14G. RD AUX 6
10G. RD AUX 12
14G. RD AUX 9
12G. RD AUX 13
14G. RD AUX 10
14G. RD AUX 7
16G. RD/WH CNTL 12V
16G. OR AUX 4
16G. OR AUX 1
12G. RD AUX 14
14G. RD AUX 11
14G. RD AUX 8
14G. OR AUX 2
12G. YL L BRK TRN
12G. GN R BRK TRN
YL/BK VH IGN 12V
14G. TN/WH LOBEAM
YL/WH HDLT BYPAS
YL/WH HDLT BYPAS
18G. GY PLW LTS SW
14G. GN HIBEAM
14G. GY R BRK TRN
14G. GY L BRK TRN
14G. GN HEAD LT SG
14G. GN HIBEAM

14G. OR/WH SPNR OPR
14G. TN C17 SPR
16G. GN STB SW
16G. BL STB SW
16G. YL STB SW
16G. PU LB
16G. BL LB
16G. YL LB
14G. PK FLH 1 SW
14G. PK FLH 2 SW
14G. PK FLH 3 SW
16G. BL SND VL
16G. GN SND VL
16G. BR PWM
18G. BK AUGER SNR
18G. GN AUGER SNR
18G. RD AUGER SNR
18G. WH RTN FTR SN
18G. WH FILTER SNR
18G. WH PTO SNR
18G. BR/WH SN BUZZER
18G. WH HYD TMP SN
18G. WH BODY UP SN
18G. WH HYD LO SN

14G. TN C28 SPR
14G. TN C43 SPR
14G. TN C47 SPR
14G. TN C58 SPR
14G. TN C59 SPR
14G. TN C17 SPR
14G. RD AUX 7
12G. OR AUX 3
14G. BK GND

1 2 3 4 5 6 7 8 9
Conn. C17
TRL BRK LTS
SPARES

14G. RD AUX 8
14G. PU L FRT WRN
14G. PK FLH 1 SW
14G. PU R FRT WRN
14G. BK GND

1 3 6 7 9
Conn. C18
FRT FLHR

14G. RD AUX 9
14G. GN/RD L MID WRN
14G. PK FLH 2 SW
14G. GN/RD R MID WRN
14G. BK GND

1 3 6 7 9
Conn. C19
MID FLHR

14G. RD AUX 11
14G. PU/WH L RER WRN
14G. PK FLH 3 SW
14G. PU/WH R RER WRN
14G. BK GND

1 3 6 7 9
Conn. C20
RER FLHR

12G. RD AUX 12
16G. BL STB SW
16G. GN STB SW
16G. PK STB HI LO
16G. YL STB SW
12G. BK GND

2 4 5 6 8 9
1 7
Conn. C21
STRB PACK

16G. BL SND VL
16G. GN SND VL

1 2
Conn. C22 & C23
DUAL SPINNER

16G. BR PWM
14G. BK GND

1 2

18G. GY PTO SW
18G. GY BX SHKR SW
18G. GY FOG SW
18G. GY SANDER SW
18G. GY SCRAPER SW
18G. GY WING SW
18G. GY RH SPNR SW
14G. BR PARK LT SG
18G. GY L1 LTNG SW
18G. GY L2 LTNG SW
18G. GY L3 LTNG SW
18G. GY MASTER SW
12G. BL BKUP LTS
14G. YL L FRT TRN
14G. GN R FRT TRN
12G. YL L BRK TRN
12G. GN R BRK TRN
14G. GN HIBEAM
14G. TN/WH LOBEAM
10G. RD TRLR BATT
12G. BL TRLR BRK
14G. PU L FRT WRN
14G. PU R FRT WRN
14G. YL/RD L WING WRN
14G. YL/RD R WING WRN
14G. GN/RD L MID WRN
14G. GN/RD R MID WRN
14G. PU/WH L RER WRN
14G. PU/WH R RER WRN
14G. TN C43 SPR
14G. TN C47 SPR
14G. TN C58 SPR
14G. TN C59 SPR
12G. OR AUX 3
12G. RD AUX 15

Strobes use 00-1466 Whelen pigtail

08/06

From Panel B

To Panel B