BELTS
LEFT
RIGHT
HOPPER SHIFT
FRONT
REAR
MAN.
OFF
AUTO
(DC-P16) GRN-BLK
(DC-P18) WHT-BLK-ORG
(DC-P17) GRN-BRN
(DC-P19) WHT-BLK-RED
RET
EXT
(DC-P22) WHT-BRN-YEL
(DC-P23) WHT-BLK
(DC-P25) WHT-GRN
(DC-P24) WHT-BLU
FRONT AUGER
REAR AUGER
HOPPER SHIFT BOTH
(DC-P34) WHT-BLK-YEL
(DC-P32) WHT-BLK-BRN
(DC-P35) GRN-WHT
(DC-P33) WHT-BLK-GRN
(DC-P27) WHT-RED
(DC-P26) WHT-ORG
SENSOR 5VDC (TERM-5) YEL
(OPTION) VIB.
(DC-P40) WHT-ORG
LOW BRAKE PRESSURE
(C10-P9) TAN
WARNING
(C10-P14) RED-BLK
PRE-HEAT WAIT TO START
(CUMMINS-BLK-110) RED-BRN
12VDC ACC (RED-TERM3)
INC
DEC
SEL
BEARCAT mfg.
CRC
ESC
OK
N/C
CAN (-) (BLU-WHT) (7)
CAN (+) (BLU-RED) (6)
J1939 CAN (-) (BLU-BLK) C10-P19
J1939 CAN (+) (BLU-YEL) C10-P18
12Vdc ACC (RED) (3)
GROUND (BLK)
C9-12PIN
C9-P12
C9-P11
C9-P10
C9-P9
C9-P8
C9-P7
C9-P6
C9-P5
C9-P4
C9-P3
C9-P2
C9-P1
CB PLUG
10AMP FUSE
12 V ACC (TERM3)
CB FOOT SWITCH
FUEL SHUT DOWN (WHT-RED-YEL) (C10-P6)
FUEL PUMP (PUR) (ENG HARNESS)
12VDC ING. (RED) TERM2
12VDC ING. (RED) TERM2
ST
START SOL. (YEL) THRU FNR RELAY
BATT (RED) TERM1
ACC
IGN. SW.
GREEN
RED
GRAY
BLACK
YELLOW
GRAY-BLACK
BLUE NC
C11-P1
C11-P2
C11-P3
C11-P4
C11-P5
C11-P6
16AWG
TURN SIGNAL SWITCH
BUZZER
(C10-P15) RED-BLK-WHT
NOTE: THIS VIEW IS FROM THE FRONT OF THE PANEL
WORK LIGHTS
BEACON
12VDC (ACC) (RED-WHT) TERM3
(C11-P7) RED 16AWG
(C10-P11) RED-BLU
SENSOR 5VDC (TERM-5) YEL
MURPHY GAUGE
BRN (N/C)
BLK (GND-POST)
RED (IGN. 12)
WHT (N/C)
ORG (N/C)
YEL (A)
GRN (B)
GRY (C)
N/C
WATER IN FUEL (BLK-002) (N/C)
MAINTENANCE LAMP (BLK 004) (N/C)
REMOTE THROTTLE (BLK 020) (GND POST)
GROUND-BLK (BLK) (GND POST)
12VDC IGN (RED) (TERM2)
10AMP FUSE
FUEL PUMP (PUR) (IGN-12)
START (YEL) (START-11)
WAIT TO START (BLK 110) (RED-BRN AT LAMP)
C9-12PIN
CUMMINS ENG HARNESS
BLK (A)
WHT (B)
RED (C)
FOOT PEDAL SENSOR
WHT (TERM 8)
WHT (TERM 8)
NOTE: MIN. 4" OF WIRE SRINK TUBE OVER RES. AND TIE TO WIRE HARNESS
OPEN/CLOSE
MAX SPEED 1K 1 TURN CW
STALL ST PNT 1K 1 TURN CW
PLUG W/FEMALE PINS
SOCKET W/MALE PINS
100
(SNSR 5VDC) (TERM-5) YEL
(C10-P20) WHT-YEL
(SNSR 5VDC) (TERM-5) YEL
(C10-P13) RED-BRN
(C10-P21) BLK-RED
(C10-P22) BLK-RED
(DC-P2) WHT-RED
+12VOLT (TERM2)
LOW LOCK
T. CASE
F/N/R
OFF
ON
REV
FWD
GRN
START FROM IGN SW
FNR NEUTRAL START RELAY
START SOL (YEL) ENG HARNESS
(C3-P10) RED-YEL
(DC-P30) BRN-YEL
(DC-P10) WHT-PUR
(DC-P9) WHT-ISL
FRONT BOX GATES
REAR BOX GATES
DEC
INC
OFF
(DC-P4) WHT-BRN-PUR
(DC-P3) WHT-BRN-RED
(DC-P5) WHT-BRN-BLU
(DC-P6) WHT-BRN-SIL
HORN
12 V (ACC 3)
(C11-P8) WHT-RED-ORG
HITCH
DOWN
UP
CLOSE
OPEN
(DC-P13) WHT-BLK-SIL
(DC-P12) WHT-BLK-BUL
(DC-P15) WHT-BRN-ORG
(DC-P14) WHT-BRN-GRN
CAN DIAGNOSTIC PORT
CAN (+) (TERM-6)
CAN (-) (TERM-7)
(N/C)
A
B
C
1000M TERMINATOR PLUG
NOTE: THIS NEEDS TO BE IN PARALLEL WITH THE CAN WIRES AT THE TERMINAL STRIP.
1 12VDC BATT+ RD 16 GA. — RD TO IGN SW TERM1
2 12VDC IGN RED 16 GA. — RD TO ENG PWR-RD
3 IGN. ACC RD-WT 16 GA. — RD-WT TO C10-P5 18 AWG
4 SNSR GND BU 18 GA. — BU TO C10-P23 18 AWG
5 SNSR 5Vdc YEL 18 GA. — YEL FROM C10-P24 18 AWG
6 CAN (+) N/C BU-RD 18 GA. — WT-BRN FROM C10--P7 18 AWG
7 CAN (-) N/C BU-WT 18 GA. — WT FROM C10-P8 18 AWG
8 FT PED SNSR WHT 18 GA. — RED-ORG FROM C10-P12 18 AWG
9 CB PLUG WHT 18 GA. — WHT FROM CB SW 18 AWG
10 CB PLUG BLK 18 GA. — BLK FROM CB SW 18 AWG
(OPTION) VIB ON (WHT-BLK-RED)
(STD ONLY) TILT AUTO (BRN-BLU)
(STD ONLY) TILT BACK (GRY-BLK)
(TNDM ONLY) REAR AUGER MAN (GRN-WHT)
(TNDM ONLY) FRONT AUGER MAN (WHT-BLK-YEL)
(TNDM ONLY) REAR AUGER AUTO (WHT-BLK-GRN)
(TNDM ONLY) FRONT AUGER AUTO (WHT-BLK-BRN)
GROUND 18GA. (BLK)
LOW LOCK (BRN-YEL)
(TNDM ONLY) BOTH BOXES RETRACK (WHT-RED)
(TNDM ONLY) BOTH BOXES EXTEND (WHT-ORG)
(REAR BOX TNDM) (RH DIV STD) RETRACK (WHT-GRN)
(REAR BOX TNDM) (RH DIV STD) EXTEND (WHT-BLU)
(FRONT BOX TNDM) (LH DIV STD) RETRACK (WHT-BLK)
(FRONT BOX TNDM) (LH DIV STD) EXTEND (WHT-BRN-YEL)
12VDC ACC. 18GA. (RED) TERM-3
BELT RH AUTO (WHT-BLK-RED)
BELT LH AUTO (WHT-BLK-ORG)
BELT RH ON (GRN-BRN)
BELT LH ON (GRN-BLK)
HITCH CLOSE (WHT-BRN-ORG)
HITCH OPEN (WHT-BRN-GRN)
HITCH DOWN (WHT-BLK-SIL)
HITCH UP (WHT-BLK-BLU)
CAN (+) (BLU-RED) (TERM6)
REV (WHT-PUR)
FWD (WHT-SIL)
REAR BOX GATES INC (WHT-BRN-SIL)
REAR BOX GATES DEC (WHT-BRN-BLU)
FRONT BOX GATES INC (WHT-BRN-PUR)
FRONT BOX GATES DEC (WHT-BRN-RED)
MASTER ON (WHT/BLK)
CAN (-) (BLU-WHT) (TERM7)
DC-40PIN SWITCH DE-CODE
SWITCH DE-CODING BOX
HORN (28)
WORKING LIGHTS (27)
TURN SIG (GRY-BLK) (26)
TURN SIG (YEL) (25)
TURN SIG (BLK) (24)
TURN SIG (GRY) (23)
TURN SIG (RED) (22)
TURN SIG (GRN) (21)
C11-8PIN
TO JCT BOX C4
SNSR 5VDC (YEL) TERM-5
SNSR GROUND (BLU) TERM-4
MASTER/MAN OVERRIDE (BLK-RED) (MASTER SW)
MASTER/MAN OVERRIDE (BLK-RED) (MASTER SW)
MAX SPEED POT (WHT-YEL) (NODE3 C1 P25)
J1939 CAN (-) (BLU-BLK)
J1939 CAN (+) (BLU-YEL)
BUZZER (RED-BLK-WHT) (NODE4-C2-P9)
WARNING LIGHT (RED-BLK) (NODE4-C2-P10)
STALL POT (RED-BRN) (JCT BOX)
FOOT PEDAL SNSR (RED-ORG) TERM 8
BEACON (RED-BLU) (JCT BOX)
T. CASE LOW (RED-YEL) (JCT BOX)
CAN (-) (BLU/WHT) (TERM7)
CAN (+) (BLU/RED) (TERM6)
FUEL PUMP SHUT DOWN (WHT-RED-YEL) (RELAY)
12VDC IGN ACC 16GA. (RED-WHT) TERM 3
12VDC 16GA. (RED) TERM 1
12VDC 16GA. (RED) TERM 1
GROUND 16GA. (BLK)
GROUND 16GA. (BLK)
C10-24PIN (KEY-A)
TO JCT BOX C3

QTY	NEXT ASS'Y	MADE BY BEARCAT	
		APPROVED	
		MATERIAL SEE PRINTED B.O.M.	
	FINAL ASS'Y	FINISH	

3650 SABIN BROWN RD. WICKENBURG, AZ 85390 (602)684-7851
BEARCAT MFG.
TITLE: SCHE ELC OPER PANEL PLUS-1 CHIP
PART NO. 200663
AUTHOR RTC | DATE 9-11-06
SCALE NONE | SHEET OF
STANDARD TOLERANCE .X ±.03 | .XX ±.015 | .XXX ±.005 | .XXXX ±.0005 | ANG. ±.0° | X/X ± 1/32