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WIRING SCHEMATICS

CLUB CAR DS GOLF CAR

REVISION: F

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BRAKE LIGHT RELAY

MAIN CONTACTOR (NOTE *4)

TO BRAKE LIGHTS

+12 V

R1
AMP #776164-1

1 KSI BLUE 18 AWG

2 N/C

3 BRAKE RELAY ORANGE 18 AWG

4 BACK UP BUZZER GRAY 18 AWG

5 N/C

6 MAIN CONTACTOR COIL ORANGE/ WHITE 18 AWG

7 I/O GROUND BLACK/ BLUE 18 AWG

8 MOTOR TEMP YELLOW/ BLACK 18 AWG

9 PEDAL INTERLOCK GREEN 18 AWG

10 MENU BUTTON WHITE/ RED 18 AWG

11 BRAKE SWITCH PURPLE 18 AWG

12 ECONOMY MODE BROWN 18 AWG

13 COIL RETURN BLUE/ WHITE 18 AWG

14 N/C

15 POT HIGH BLACK/ WHITE 18 AWG

16 POT WIPER YELLOW/ WHITE 18 AWG

17 N/C

18 POT LOW PURPLE/ WHITE 18 AWG

19 N/C

20 N/C

21 N/C

22 FOWARD WHITE 18 AWG

23 N/C

24 N/C

25 12V POWER CNTRL RED / BLUE 18 AWG

26 5V POWER CNTRL RED / WHITE 18 AWG

27 N/C

28 TX SERIAL GREY/ BLUE 18 AWG

29 RX SERIAL GREEN/ WHITE 18 AWG

30 N/C

31 ENCODER PHASE A TAN/ BLACK 18 AWG

32 ENCODER PHASE B TAN 18 AWG

33 REVERSE YELLOW 18 AWG

34 N/C

35 N/C

BACK UP BUZZER

S2

FORWARD

REVERSE

PARK SWITCH (NOTE*2)

BRAKE SWITCH (NOTE*6)

MENU BUTTON (NOTE *3)

BROWN 18 AWG

GOLF / STREET SWITCH

R3
DEUTSCH
DT-06-2S

POT HIGH

POT WIPER

POT LOW

THROTTLE MODULE

R2
DEUTSCH
DT-06-3S

S1

R6
MOLEX MINI FIT JR
39-01-2080

DISPLAY

8 BLACK/ BLUE 18 AWG

5 RED / BLUE 18 AWG

6 GREY / BLUE 18 AWG

1 GREEN/ WHITE 18 AWG

P4
DEUTSCH
DTM-04-4P

R4
DEUTSCH
DTM-06-4S

MOTOR ENCODER CABLE

R5
MOLEX SL
SERIES
50-57-9405

MOTOR ENCODER

MOTOR

W

V

U

35 PIN
CONTRACTOR
(SEE R1)

1232 /1234 /1236 /1238
CONTROLLER

W

V

U

35 PIN
CONTRACTOR
(SEE R1)

KEY SWITCH

ON

OFF

RED 18 AWG

10A

MAIN BATTERY PACK

A

B -

B +

400A
(NOTE *5)

NOTES:

(*1) DELETED NOTE

(*2) NORMALLY CLOSED SWITCH. OPEN FOR PARK. IF SWITCH NOT USED, RED/ YELLOW WIRE IS CONNECTED TO BLUE.

(*3) MENU BUTTON IS OPTIONAL USE WITH DISPLAY. NORMALLY OPEN; MOMENTARY

(*4) REMOVE ANY DIODES OR RESISTOR FROM MAIN CONTACTOR.

(*5) USE 400A FUSE IN 650 SYSTEM. USE 300A FUSE IN 350 SYSTEM.

(*6) NORMALLY CLOSED. CONTACTS MUST BE CLOSED WHEN BRAKE PEDAL IS PRESSED; OPEN WHEN BRAKE PEDAL IS NOT PRESSED.

(*7) MOTOR TEMP SENSOR NOT USED FOR GOLF CART APPLICATION.

(*8) SPlice S4 TO BE PERFORMED BY THE END USER.

P4-2
DEUTSCH
DTM-04-2P

R4-2
DEUTSCH
DTM-06-2S

PURPLE 22 AWG

BLACK/ BLUE 18 AWG

BLACK 22 AWG

YELLOW/ BLACK 18 AWG

RED/ WHITE 22 AWG

BLACK/ BLUE 22 AWG

TAN 22AWG

TAN/ BLACK 22 AWG

RED/ WHITE 18 AWG

BLACK BLUE 18 AWG

TAN 18 AWG

TAN/ BLACK 18 AWG

RED / WHITE 18 AWG

BLACK/ BLUE 18 AWG

RED / BLUE 18 AWG

GREY / BLUE 18 AWG

GREEN/ WHITE 18 AWG

GREEN/ WHITE 18 AWG

GREY/ BLUE 18 AWG

RED / WHITE 18 AWG

RED / BLUE 18 AWG

WHITE 18 AWG

PURPLE/ WHITE 18 AWG

YELLOW/ WHITE 18 AWG

BLACK/ WHITE 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ BLACK 18 AWG

BLACK/ BLUE 18 AWG

ORANGE/ WHITE 18 AWG

GRAY 18 AWG

ORANGE 18 AWG

BLUE 18 AWG

BLUE 18 AWG

RED / YELLOW 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

BROWN 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ WHITE 18 AWG

BLACK/ WHITE 18 AWG

WHITE 18 AWG

PURPLE/ WHITE 18 AWG

YELLOW/ WHITE 18 AWG

BLACK/ WHITE 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ BLACK 18 AWG

BLACK/ BLUE 18 AWG

ORANGE/ WHITE 18 AWG

GRAY 18 AWG

ORANGE 18 AWG

BLUE 18 AWG

BLUE 18 AWG

RED / YELLOW 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

BROWN 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ WHITE 18 AWG

BLACK/ WHITE 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ BLACK 18 AWG

BLACK/ BLUE 18 AWG

ORANGE/ WHITE 18 AWG

GRAY 18 AWG

ORANGE 18 AWG

BLUE 18 AWG

BLUE 18 AWG

RED / YELLOW 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

BROWN 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ WHITE 18 AWG

BLACK/ WHITE 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ BLACK 18 AWG

BLACK/ BLUE 18 AWG

ORANGE/ WHITE 18 AWG

GRAY 18 AWG

ORANGE 18 AWG

BLUE 18 AWG

BLUE 18 AWG

RED / YELLOW 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

BROWN 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ WHITE 18 AWG

BLACK/ WHITE 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ BLACK 18 AWG

BLACK/ BLUE 18 AWG

ORANGE/ WHITE 18 AWG

GRAY 18 AWG

ORANGE 18 AWG

BLUE 18 AWG

BLUE 18 AWG

RED / YELLOW 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

BROWN 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ WHITE 18 AWG

BLACK/ WHITE 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ BLACK 18 AWG

BLACK/ BLUE 18 AWG

ORANGE/ WHITE 18 AWG

GRAY 18 AWG

ORANGE 18 AWG

BLUE 18 AWG

BLUE 18 AWG

RED / YELLOW 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

BROWN 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ WHITE 18 AWG

BLACK/ WHITE 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ BLACK 18 AWG

BLACK/ BLUE 18 AWG

ORANGE/ WHITE 18 AWG

GRAY 18 AWG

ORANGE 18 AWG

BLUE 18 AWG

BLUE 18 AWG

RED / YELLOW 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

BROWN 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ WHITE 18 AWG

BLACK/ WHITE 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ BLACK 18 AWG

BLACK/ BLUE 18 AWG

ORANGE/ WHITE 18 AWG

GRAY 18 AWG

ORANGE 18 AWG

BLUE 18 AWG

BLUE 18 AWG

RED / YELLOW 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

BROWN 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ WHITE 18 AWG

BLACK/ WHITE 18 AWG

BLUE/ WHITE 18 AWG

BROWN 18 AWG

PURPLE 18 AWG

WHITE/ RED 18 AWG

GREEN 18 AWG

YELLOW/ BLACK 18 AWG

BLACK/ BLUE 18 AWG

ORANGE/ WHITE 18 AWG

GRAY 18 AWG

ORANGE 18 AWG

BLUE 18 AWG