Light Kit
will fit club car® ds®
02-008

INCLUDED:

2 Headlights
2 Tail Lights
Wiring Harness
Screws
Straps
Rocker Switch

TOOLS NEEDED:

Phillips Head Screw Driver
Cutting Tool
Sandpaper
Power Drill
15/32 Drill Bit

Headlights

Column Cover

Harness

Tail Lights

Turn Signal Indicator

Brake Pad

Horn

Madjax recommends professional installation. If you choose to not have this product installed by a professional, we highly recommend that you exercise caution, care, and patience when installing this product as it involves drilling holes into your cart's body.

1

Cut out template and place it against cart using the body lines for alignment.

PLACE TEMPLATE

DRILL PILOT HOLE

2

Draw the inside of the template out with a writing utensil. Next drill a pilot hole so you will have a starting point to begin cutting.

Using the template you drew on the cart, use a rotary tool to cut out the light area of the cowl starting at the pilot hole from step 2.
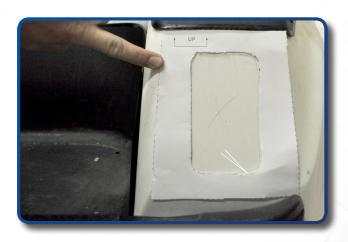

CUT COWL

INSERT HEADLIGHT

Place headlight into the front of the vehicle. Insert four screws into headlight using supplied hardware.

*Repeat process on opposite side

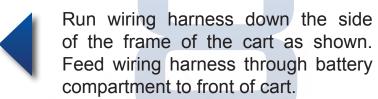Place tail light template against cart. Using a writing utensil, draw the template onto the cart.

UP

Drill a pilot hole and cut out the shape of the tail light.

7

Insert tail light and attach tail light to cart using provided hardware.

8

Run wiring harness down the side of the frame of the cart as shown. Feed wiring harness through battery compartment to front of cart.

9

Run wiring harness beside the frame so it doesn't hang. Secure it with wire ties to keep it in place while you are riding.

10

Mount indicator assembly using clamps provided and tighten. Run indicator harness along steering column and insert harness through dash.
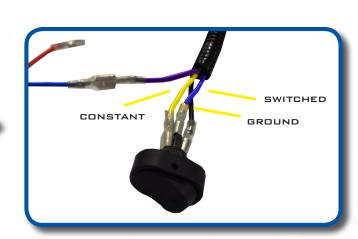
11

Attach column cover to steering column, secure harness in column cover void.
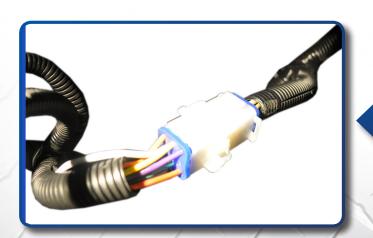

12

Using a 15/32" drill bit, drill out the hole for the rocker switch. Drill Gently. Remove key switch cover.
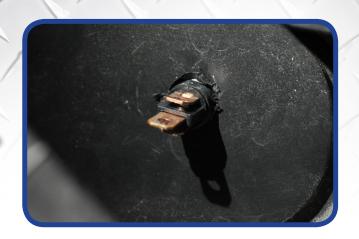

13

The brown and yellow wires from indicator harness go into rocker switch which will operate the hazard lights only. The purple wire from the indicator harness connects to the blue wire on main harness. (red is not used)

CONSTANT
SWITCHED
GROUND

14

Connect 9 pin connector from signal indicator to 9 pin connector on harness from light kit.

15

Feed threaded end of switch through the dash where the hole was drilled. Attach the nut to secure the harness.

16

Earth - Ground (black)
Load - 12v(+) switched (blue)
Supply - 12v(+) constant (yellow)

17

Attach harness to rocker switch as shown. And then re- attach dashboard using hardware retained from Step 3.

18

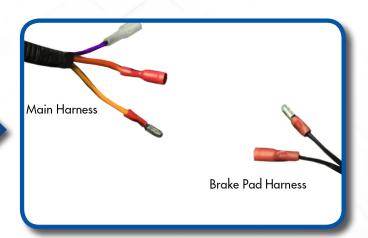Secure remaining harness under cowl using provided ties.

19

Attach brake pad using hardware provided as shown. Secure brake pad wires to pedal using zip ties provided.
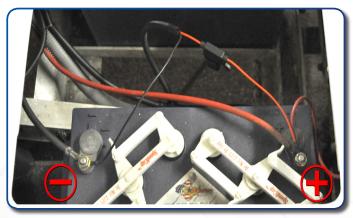

20

Attach horn to purple and black female spade connectors and secure horn under front cowl.

21

Plug male and female bullet connectors together from main harness and brake pad harness as shown. Some models attach in brake access panel, others attach under cart.

Main Harness

Brake Pad Harness

22

If you have 12 volt batteries wire the harness to the battery as shown. If you have 8 Volt batteries a Madjax 16/12 voltage reducer will be necessary.

CAUTION: THIS LIGHT KIT IS A 12V SYSTEM. SUPPLYING MORE THAN 12V TO THE SYSTEM WILL DAMAGE THE LIGHT KIT AND VOID YOUR WARRANTY. DO NOT OVERLOAD.

INSTALLATION COMPLETE

QUICK TIPS & TROUBLESHOOTING

Everything on the light kit works except for the headlights and tail lights?

Make sure that the two yellow wires plug into the push pull switch and the purple wire is connected to the BLUE wire coming from the main light harness.

Everything works except the horn?

Look on the horn and locate the small hole filled with grey silicone. Dig out the silicone and use a small screw driver to loosen the tension on the horn diaphragm. Adjust as desired and re-seal with silicone.

The headlights won't stay adjusted?

Make sure the adjustment screw is tight and if it will not stay tight you can add a star washer to help hold it in place.

Everything is connected and nothing is working?

Make sure you are getting at least a full 12 volts at the light kit. Unplug each light to make sure it is not a short in one of the lights. Check the inline fuse connected to the positive battery post to make sure it is not blown.

What to do with the black wire at the brake pad connection?

The black wire is not used.

02-018 ULTIMATE LIGHT KIT HARNESS

RED = 12V CONSTANT
BLUE = 12V+
GRAY = FLASHER, DRIVER HEADLIGHT
GREEN = FLASHER, PASSENGER HEADLIGHT
BLACK = GROUND
WHITE = FLASHER, DRIVER TAIL LIGHT
BROWN = FLASHER, PASSENGER TAIL LIGHT
YELLOW = 12V BRAKE
PURPLE = 12V HORN

RED CONNECTORS ARE FOR PASSENGER LIGHTS

BLACK
BROWN
BLUE

BLACK
WHITE
BLUE

3700mmBLUE
3200mmBROWN
3700mmBLACK

800mmBLUE
2600mmWHITE
800mmBLACK

1200mmBLACK

2530mmRED

15A Fuse

500mmBLACK
550mmRED
1180mmYELLOW

550mmBLACK
550mmBLUE
550mmRED

YELLOW
WHITE
PURPLE

BROWN
Front View

BLACK

GRAY
GREEN
RED

740mmGREEN

670mmPURPLE
400mmBLACK

350mmBLACK
740mmGRAY
350mmBLUE

BLACK
GRAY
BLUE

BLUE
GREEN
BLACK

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02-006 ULTIMATE LIGHT KIT UPGRADE

ORANGE
WHITE
BLUE

YELLOW

GREEN

RED
BLACK
PURPLE —— (SWITCHED BRAKE)

(SWITCH BRAKE)

PASS.

GREEN WHITE BLACK
PURPLE

250mmBLACK
150mmGREEN
150mmWHITE
110mmPURPLE

200mmWHITE
80mmPURPLE (1)
200mmYELLOW

YELLOW
BLUE

320mmBLUE

DRIVER

RED YELLOW BLACK
PURPLE

150mmBLACK
110mmPURPLE
150mmRED
150mmYELLOW

650mmBLACK
450mmYELLOW
600mmBLUE

(CONSTANT 12V)
(SWITCHED 12V)

(SWITCH BRAKE)

760mmBLUE
760mmORANGE

760mmYELLOW
920mmYELLOW
1050mmPURPLE (2)

150mmBLUE
760mmRED
760mmGREEN

(SWITCHED HEADLIGHT)

YELLOW = 12V CONSTANT
BLUE = 12V SWITCHED
RED = FLASHER, DRIVER HEADLIGHT
GREEN = FLASHER, PASSENGER HEADLIGHT
BLACK = GROUND
WHITE = FLASHER, PASSENGER TAIL LIGHT
ORANGE = SWITCHED HORN
FOR PURPLE WIRES = SEE DIAGRAM FOR DESCRIPTIONS

PURPLE
BLUE BLUE

ORANGE
RED
YELLOW

GREEN

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