

John Deere Golf Technologies

Installation Manual

Generation 4



JOHN DEERE

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Safety



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Live With Safety

Before returning cart to customer, make sure cart is
Functioning properly, especially the safety systems.
Install all safety guards and shields.

Installation

Overview

General System

SkyLinks is a golf information system. It provides valuable information to the golfer and to the course manager through such technologies as satellite navigation and digital radio communications.

The main components of SkyLinks are the computer display units on each golf cart, a central computer server in the clubhouse, workstation computer(s), and a communications system to tie it all together.

Golf cart computers

The golf cart computers perform the following functions:

Vehicle tracking with GPS (Global Positioning System)

- Display tailored to the golfer's play, including:
- Course map display
- Accurate yardage information
- Pro's tips
- Advertising images
- Text messages from the clubhouse

Data feed to the clubhouse

Parts List

Installation Part Numbers by Model

Part numbers are assigned by Phoenix International, and are subject to change without notice

Club Car

ITEMS	PART NUMBERS	DESCRIPTION
HEAD UNIT ASSEMBLY	<i>JDGT-0001</i>	<i>Display Unit</i>
POWER SUPPLY	<i>JDGT-0002</i>	<i>Power Supply</i>
BKT, PWR SUPPLY – CLUBCAR	800-0267	Assy with Power Supply
CLAMP, DISPLAY – CLUB CAR	800-0255	Assy with P/N 800-0267 and P/N 950-0093
CBL ASSY, CLUBCAR ELECTRIC		Power Harness Assembly
CBL ASSY, CLUBCAR GAS	440-0660	Power Harness Assembly
JDGT HDW KIT	JDGT-0004	Bulk Item Hardware Kit
PHMS, PHIL, 10-32 X .750	812-0067	Screw to secure P/N 800-0255
PHMS, PHIL, 10-24 X 1.50	812-0068	Screw to secure P/N 800-0246
PHMS, PHIL, ¼-20 X .500	812-0075	Secures Head Unit
HHMS, CAP ¼-20 X 2.75"	816-0006	Secures Power Supply to bracket
LOCKWASHER, INT, 1/4?" ZNC	832-0019	Assy with P/N 812-0075
WSHR, FLAT #10 SS MS15795	838-0033	Assy with P/N 812-0068
SPCR, CLUBCAR ANTENNA BKT	840-0111	Assy with P/N 800-0246
CABLE TIE, 7.4" STANDARD	850-0005	Secures UHF and GPS Antenna Cables to Cart
CARTON 10 x 6 x 4	900-0053	Box to Hold Bulk Items
POLY BAG, ZIP-LOCK 4 X 6	901-0016	Packaging for shipping
BAG, 10 X 13 2 MIL	901-0022	Packaging for shipping
JDGT BKT/ANT KIT-CLUB GAS	JDGT-0011	GEN 4 Club Car Gas Pre 2000 roof
CBL ASSY, CLUBCAR GAS	440-0660	Power Harness Assembly
BKT ASSY, CLUB CAR DSPLY	950-0093	Bracket for Display Unit
UHF ANT/BKT ASSY CLUBCAR	950-0094	UHF RADIO BRACKET ASSEMBLY PRE 2000
CLAMP, DISPLAY – CLUB CAR	800-0255	Assy with P/N 800-0267 and P/N 950-0093
CRTN, 22 5/16 X 18 3/16 X	900-0001	Packaging for shipping
PARTITION, 35 CELL	900-0006	Packaging for shipping
BUBBLE WRAP, ANT-STATIC	903-0001	
BKT ASSY, CLUB CAR DSPLY	950-0093	Bracket for Display Unit
Cover, Support – Club Car	800-0250	Cover Support Display
Support, Center –Club Car	800-0251	Center Support Display
BKT, MTG – Club Car	800-0852	Mounting Bracket Display
Plate, MTG – Color DSPLY	800-0853	Mounting Plate Display
PHMS, PHIL, 10-32 x .375	812-0066	
Hex Nut, 1/4 –20 Jam 18-8	822-0025	

Installation

Bumper, 1" OD ¼ -20 x .50	845-0007	
Grommet, Neoprene ID=5/16	845-0007	
Grommet, Neoprene ID=1/2	881-0009	

GPS ANT/BKT ASSY CLUB CAR	950-0095	GPS ANTENNA BRACKET ASSEMBLY PRE 2000
Antenna, GPS 8ft SMA MAG	496-0002	GPS Antenna
BKT, Antenna – Club Car	800-0246	Bracket for Antenna
Pad, Antenna MTG – PSC	852-0006	Adhesive for Antenna
UHF ANT/BKT ASSY CLUBCAR	950-0094	UHF RADIO BRACKET ASSEMBLY PRE 2000
Antenna, UHF Mobile 5DB	496-0001	UHF Antenna
BKT, Antenna – Club Car	800-0246	Bracket for Antenna

Installation

EZ-GO Assembly Numbers

Items	Part Numbers	Description
HEAD UNIT ASSEMBLY	JDGT-0001	Display Unit
POWER SUPPLY	JDGT-0002	Power Supply
CBL ASSY, EZ-GO ELECTRIC	XXX-XXXX	Power Cable Assembly
CBL ASSY, EZ-GO GAS	XXX-XXXX	Power Cable Assembly

Installation

Yamaha Assembly Numbers

Items	Part Numbers	Description
HEAD UNIT ASSEMBLY	JDGT-0001	Display Unit
POWER SUPPLY	JDGT-0002	Power Supply
CBL ASSY, YAMAHA ELECTRIC	XXX-XXXX	Power Cable Assembly
CBL ASSY, EZ-GO GAS	XXX-XXXX	Power Cable Assembly

Service Part Numbers

Part listed below can be ordered as replacement or repair parts.

*Service part numbers may be different from Bill of Material part numbers.
Part numbers are assigned by Phoenix International, and are subject to change without notice.*

Repairable Service Parts – Gen 4

Part Number	Sub-Assy
JDGT-0001	Head Unit
JDGT-0002	Power Supply
JDGT-0009	GPS base unit

Consumable Service Parts – Gen 4

Part Number	Sub-Assy
496-0002	GPS Antenna
496-0009	UHF MaxRad antenna (antenna, cable, base – no bracket)
440-0600	Cable Assy Club Car Electric
440-0660	Cable Assy Club Car Gas
	Cable Assy Ez-Go Electric
440-0662	Cable Assy Ez-Go Gas
	Cable Assy Yamaha Electric
	Cable Assy Yamaha Gas
800-0246	Bracket Antenna Club Car
800-0290	Bracket Antenna UHF 2k Club Car
800-0292	Bracket Antenna Bottom 2k Club Car
800-0291	Bracket Antenna GPS 2k Club Car
800-0247	Bracket Antenna Ez-Go
800-0286	Bracket Antenna Yamaha

A future picture will be inserted of the power harness with both connectors labeled.

Parts Included in Bill of Material

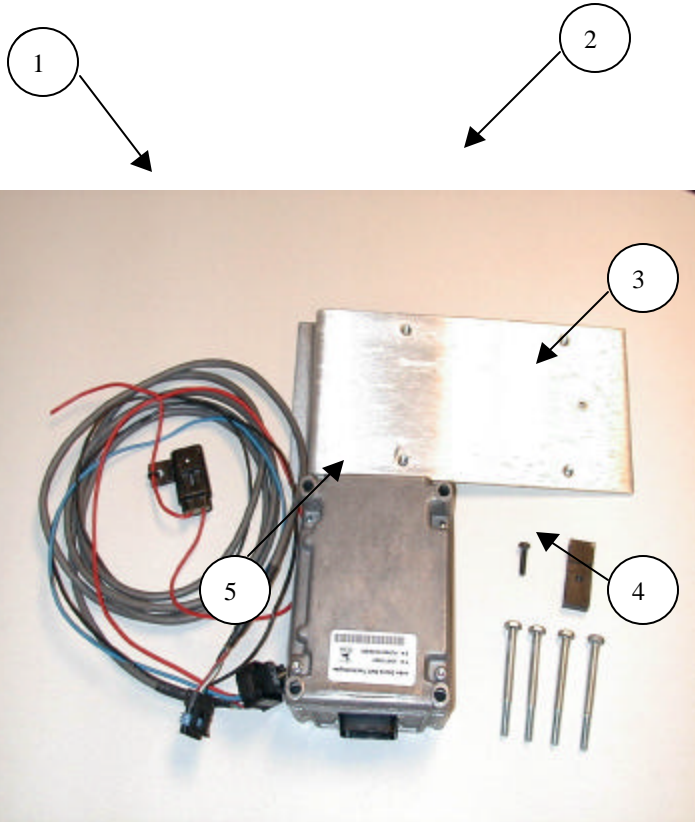
There are different parts numbers for the Power Harness, GPS Antenna Bracket, and UHF Antenna Bracket based on the specific cart model and year.

Club Car Sub-Assemblies

CBL ASSY, CLUBCAR ELECTRIC P/N XXX-XXXX

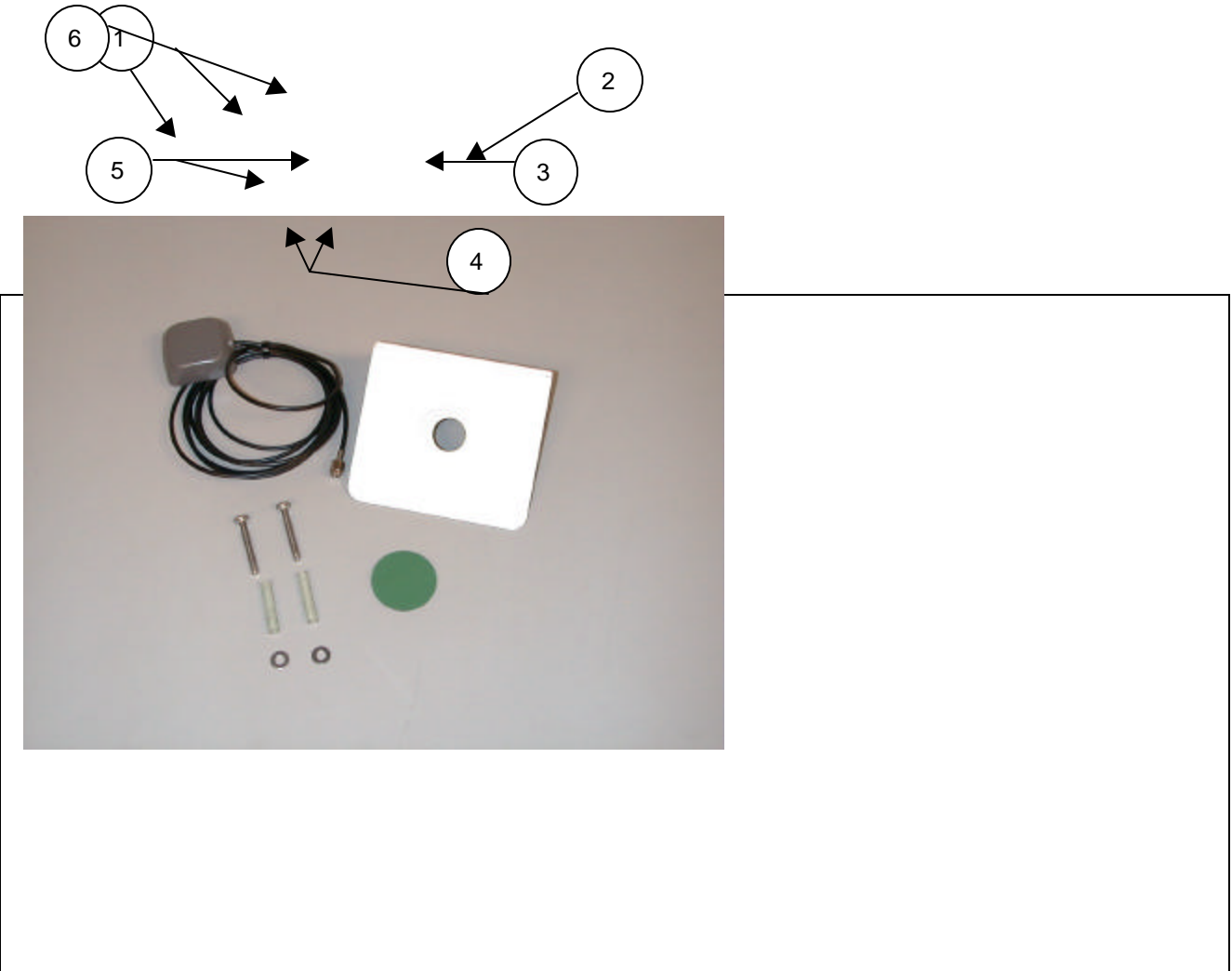
Power Harness Assembly

Installation



- 3. Clamp and screw
(P/N 800-0255 and P/N 812-0067)
- 4. Bolts
(P/N 816-0006)
- 5. Power Supply
(P/N JDGT-0002)

Installation



A future picture will be inserted of the
GPS bracket, GPS antenna, and
adhesive pad

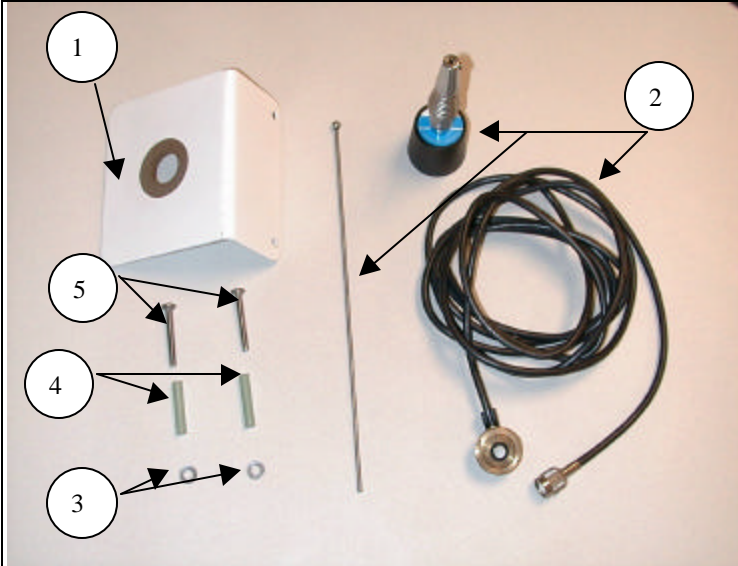
GPS ANT/BKT ASSY CLUBCAR P/N 950-0095 (Post 2000)

1. GPS Bracket
2. GPS Antenna

UHF ANT/BKT ASSY CLUB CAR P/N 950-0094 (Pre 2000)

1. Bracket (P/N 800-0246)
2. Antenna Assembly
(P/N 496-0001)
3. Screws (2) (P/N 812-0068)
4. Washer (2) (P/N 838-0033)
5. Spacers (2) (P/N 840-0111)

Installation



A future picture of the UHF antenna, whip and bracket will be inserted.

Installation

HOME PKG, CLUB CAR- COLOR P/N 950-0093

1. Prop (P/N 845-0007)
2. Nut (P/N 822-0025)
3. Center Support (P/N 800-0251)
4. Clamp (P/N 800-0255)
5. Tray Unit Plate (P/N 800-0853)
6. Main Bracket (P/N 800-0852)
7. Screws (P/N 812-0066)
8. Support Cover (P/N 800-0251)

A future picture will be inserted of the power harness with both connectors labeled.

EZ-GO Sub-Assemblies

CBL ASSY, EZ-GO ELECTRIC P/N XXX-XXXX

1. Power Harness Assembly

Installation

A future picture will be inserted of the power harness with both connectors labeled.

CBL ASSY, EZ-GO GAS P/N XXX-XXXX

1. Power Harness Assembly
2. Power Supply Connector
3. Display Unit Connector

Installation

A future picture will be inserted of the GPS bracket, GPS antenna, and adhesive pad

GPS ANT/BKT ASSY CLUBCAR P/N XXX-XXXX

1. GPS Bracket
2. GPS Antenna
3. Adhesive Pad

A future picture of the UHF antenna, whip and bracket will be inserted.

UHF ANT/BKT ASSY EZ-GO P/N XXX-XXXX

1. Antenna
2. Antenna whip
3. Bracket

A future picture will be inserted of the display bracket with important areas identified.

HDWE PKG, EZ-GO COLOR P/N XXX-XXXX

1. Display bracket
2. Cart Clamps
3. Grommet
4. Grommet

A future picture will be inserted of the power harness with both connectors labeled.

Yamaha Sub-Assemblies

CBL ASSY, YAMAHA ELECTRIC P/N XXX-XXXX

1. Power Harness Assembly
2. Power Supply Connector
3. Display Unit Connector

A future picture will be inserted of the power harness with both connectors labeled.

CBL ASSY, YAMAHA GAS P/N XXX-XXXX

4. Power Harness Assembly
5. Power Supply Connector
6. Display Unit Connector

Installation

A future picture will be inserted of the GPS bracket, GPS antenna, and adhesive pad

GPS ANT/BKT ASSY YAMAHA P/N XXX-XXXX

1. GPS Bracket
2. GPS Antenna
3. Adhesive Pad

Installation

A future picture of the UHF antenna, whip and bracket will be inserted.

UHF ANT/BKT ASSY YAMAHA P/N XXX-XXXX

1. Antenna
2. Antenna whip
3. Bracket

A future picture will be inserted of the display bracket with important areas identified.

HDWE PKG, YAMAHA COLOR P/N XXX-XXXX

1. Display bracket
2. Cart Clamps
3. Grommet
4. Grommet

TOOLS AND EQUIPMENT

Not Supplied With Kit

Club Car Tools and Equipment

Required-Under Review

- 7/16" wrench
- 7/16" socket
- Phillips screwdriver
- Wire Cutters
- Crescent Wrench
- Electric screwdriver/drill
- Phillips head bit
- Socket adapter
- ½ -9/16" socket
- Awl

EZ-GO Tools and Equipment

Required

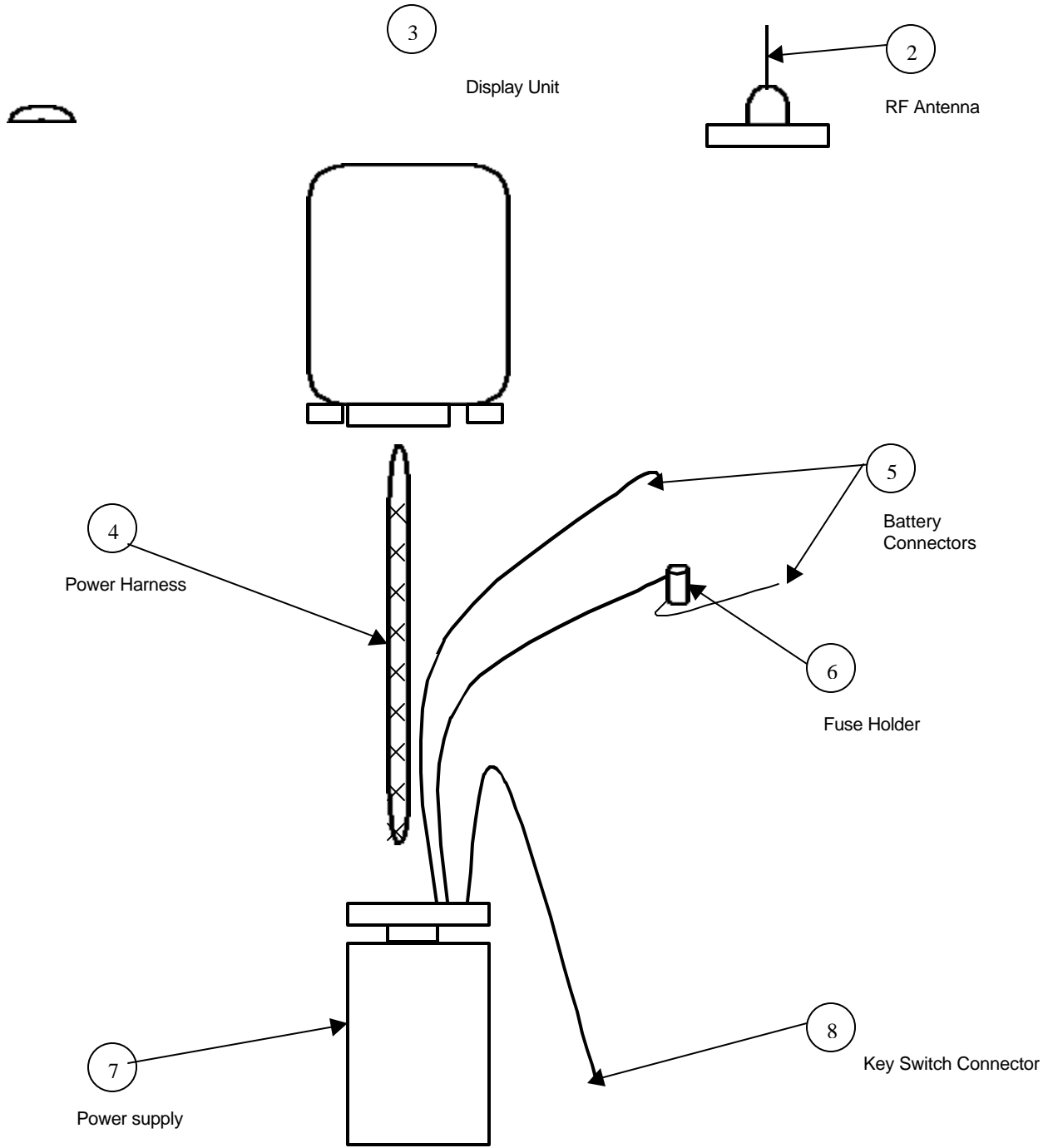
To be determined

Yamaha Tools and Equipment

Required

To be determined

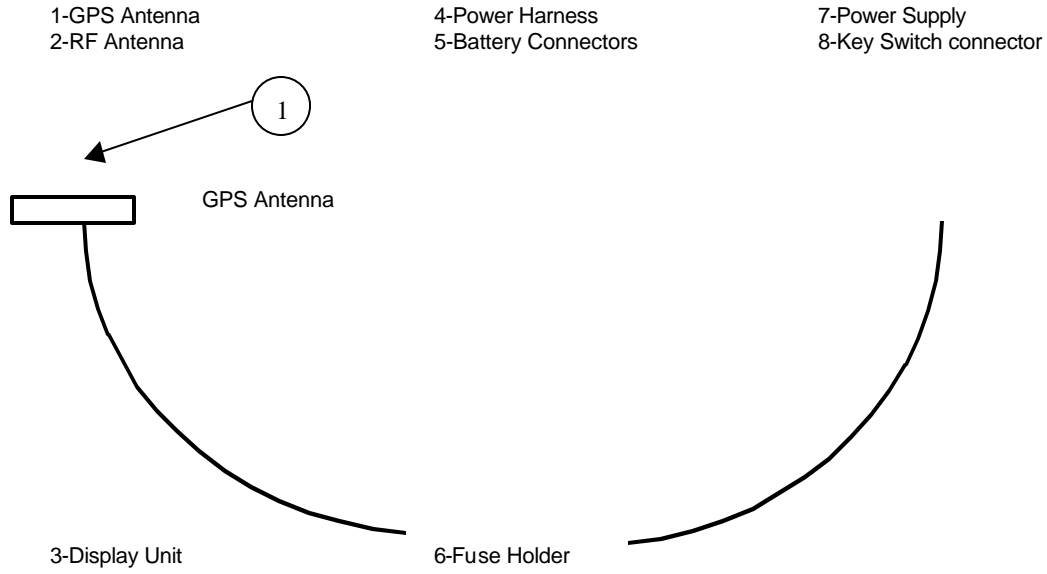
Installation



Basic System Layout



Installation



Basic Components:

1. Antennas
2. Display Unit
3. Power Supply
4. Power Harness

Before Installation review manual. To prevent damage to components and cart.