

# Installation Overview:

The Smart Speedo is an accessory to the base SC-12 system. It is not required for proper operation of the control system. A Smart Speedo provides a convenient striping overview of the striping operation.

## Recommended location:

The Smart Speedo is usually located in the front cab, between the driver and passenger. It can be used for single-operator operations or with a driver and passenger.

## Mounting:

The optimal viewing angle for the Smart Speedo display is straight-on or from the bottom up. Skip-Line recommends the Smart Speedo be mounted in a manner that can be “tilted” so the top of the unit is further away from the operator than the bottom of the unit.

The Smart Speedo has nutserts on either side of the unit (to the left and to the right of the front panel). These nutserts should be utilized so the Smart Speedo is tiltable, using a U-shaped bracket.

The nutserts accept a Skip-Line supplied #14-32 Hex Bolt. ¾” length (12mm x 1.75mm x 20mm)

Please mount in a location free from exposure to:

- Water
- Pressure Washing
- Excessive mechanical vibration
- Temperature extremes
- Intermittent, poorly regulated, highly inductive, or noisy power sources

## Communications Cabling

The Smart Speedo gets power and communications from one of the BUS-012 hubs (usually the front hub, although it does not matter) via a CAT5 cable. Connect the Smart Speedo to any of the numbered BUS-012 RJ45 jacks (1-8). If properly connected to a BUS-012 hub the large green port light on the BUS-012 hub should be illuminated.

Cabling should use 26AWG (or larger) Cat5 cable and RJ45 connectors. Cat5 cable should not be longer than 5 meters (16.4 feet). The Hubs accept only standard RJ45 plugs. Some of the devices have sealed RJ45 jacks, available from Skip-Line, which will accept either standard or

strain-relieved IP-67 rated plugs. See Appendix B of the SC-12 Manual for instructions on RJ45 568-B connector wiring.

Avoid pinch points where the cable may be damaged from moving parts.

Tips:

- Use a continuity tester for all Cat5 cables

Dimensions:

Smart Speedo: 7.38"W x 4.7"H x 2.21"D

Enclosure Used: Hammond 1590DBK

### **WARNING!!!**

Always unplug all CAT-5 cables prior to any welding on the vehicle. Failure to do so may result in severe damage to the unit.