**Installation Order of Each Component**

Please familiarize yourself with all components before installation. In addition, it is suggested (depending on the vehicle) the 3-port interface “hub” be installed first (under the vehicle’s dash) and wire it to a 12-volt switched circuit. Before installing the other components, plug each component into the appropriate outlet in the 3-hole interface “hub” to confirm LaserPro™ 904 is functioning properly.

**Installation Warning**

It is highly recommended that a professional install LaserPro™ 904. Installation of LaserPro™ 904 requires experience and expertise in automotive electronics. Attempting to install LaserPro™ 904 without expertise in automotive electronics installation could cause personal injury and or damage to LaserPro™ 904.

If your vehicle is damaged during installation, its safety systems may be compromised which could cause personal injury or property damage. Improper installation may void LaserPro™ 904’s warranty.

**Installation**

Since Laser signals do not pass through objects, including plastic, it is important that the front transceivers be mounted with a clear, unobstructed view of the road ahead, and completely level.
Installation sheet for LaserPro™ 904

1. Control Display

a) Determine an appropriate location to mount the control display based on visibility and customer input.

b) Install the display using the hook and loop fastener.

c) Plug the "pin" connectors to the back of the control display and the opposite end into the appropriate 3-port interface "hub".

2. Front Laser Transceivers

a) Position each of the two front Laser transceivers on either side of the front license plate. Many vehicles have open areas in the polyurethane bumpers in or around this area. If possible, choose an area between the license plate and the center point of headlight lenses – see diagram (2)

b) Using the mounting brackets supplied, mark the location and drill pilot holes if necessary.

c) Mount the transceivers using the supplied hardware. NOTE: Both of the front transceivers must be level to the road. Use the supplied spirit level to ensure each transceiver is level to within +/- .5%. Align the spirit level along the etched line which appears at the side of each transceiver.

d) Insert the jack into the hole labeled "Rear Laser".

3. Rear Laser Transceiver

a) Remove the license plate screws from the license plate.

b) Align the two holes in the rear Laser transceiver to the license plate; use supplied screws to re-attach.

c) Route the wire emanating from the transceiver through the trunk compartment and into the vehicle’s interior and up to the 3-hole interface “hub”. Cable can also be routed through the in-dash mount.

d) Insert the jack into the hole labeled "Rear Laser".

NOTE: Ensure you do not block any information on the license plate. The cable may be cut if too long, however, it must be reconnected using solder for each of the three wires and sealed with heat-shrink tubing.

4. Routing of Front Laser Transceiver Cables

a) Route the cable from the two front Laser transceivers to the vehicle’s firewall, and secure with supplied tie-wraps.

b) If a suitable opening in the firewall does not exist, drill a 13/32" or 7/16" hole to insert the cable.

c) Pull the cable through the firewall, and plug into the jack marked Front Laser.

d) Pull the grommet through the firewall to seal the hole. If necessary, use silicon sealant (not supplied).

Note: Do not splice the cable. Ensure cable is kept away from any hot or moving parts.

5. 3-Port Interface "hub"

a) Install the 3-hole interface under the vehicle’s dash using the supplied tie-wraps.

DO NOT MOUNT IN ENGINE COMPARTMENT.

b) Connect black wire (-) to a ground source such as the vehicle’s floor pan. Connect the red striped wire (+) to a switched 12-volt supply. Use the blue colored wire connector to tap into an existing circuit, if needed.

Note: If LaserPro™ 904 is left in the “on” position, it will automatically power on and off with ignition.

Testing Procedure

After all components are installed correctly, turn LaserPro™ 904 ON by pressing the Power On button and turn the vehicle’s ignition to the “on” position; LaserPro 904 will cycle through its startup test sequence.

- DO NOT drill holes into the front Laser transceivers.

- Make certain the area selected is suitable before drilling holes into the bumper.

- Keep cables away from moving parts or hot or heated surfaces.

- DO NOT splice the cables

- Use the supplied spirit level to ensure that each transceiver is level.