



Installation and Troubleshooting Guide



NOTE: This installation is to be completed by an Authorized Dealer or Professional Service Technician. For questions regarding installation or warranty, call CDI Tech Support at 866-423-4832. **Do not return to the Dealer or Distributor where the part was purchased. Contact CDI Electronics Directly for Return Material Authorization.**

CDI P/N 413-9905 Wiring Harness 4 Cyl.

This harness will replace P/N: 382557. Fits 1968 85 HP Johnson/Evinrude engines with Electric Shift.

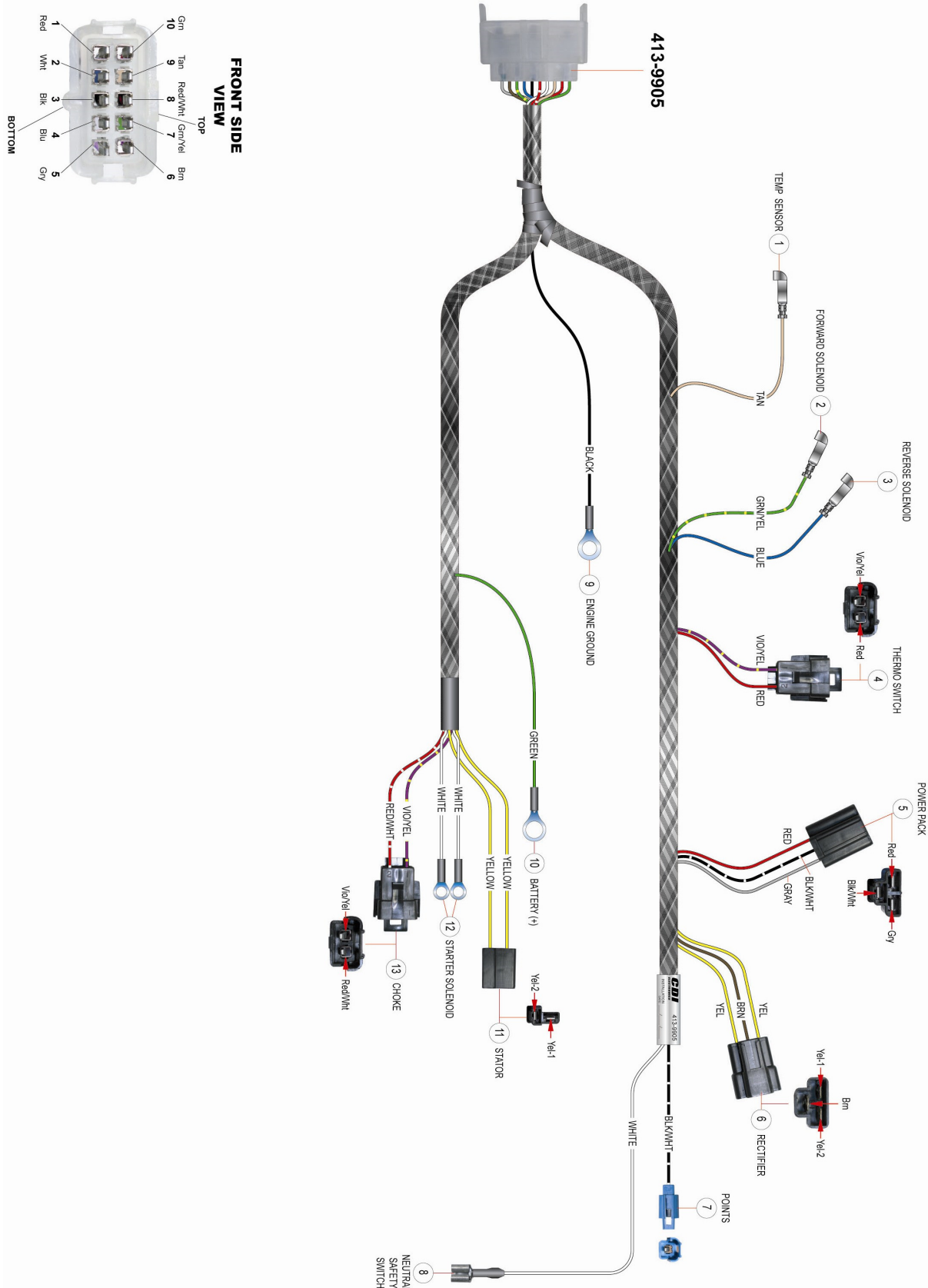
WARNING! This product is designed to be installed by a professional marine mechanic. CDI Electronics cannot be held liable for injury or damage resulting from improper installation, abuse, neglect or misuse of this product.

INSTALLATION

1. Disconnect battery.
2. Remove original wiring harness. Be sure to make note of wire routing.
3. With old wiring harness removed clean all connection points to verify good connection of new wiring harness.
4. Install new wiring harness in the same position as original wiring harness.
5. Connect the new wire harness to the boat side harness (SERVICE NOTE: Remove the locator tab on the new harness connector in order to connect it to the boat side harness. The original connector with the locator pin to one side has not been available for over 20 years).
6. Verify proper placement of all wires. Reconnect battery.
7. Wire color chart.
 - 1) **Red** – Connects to the Thermo Switch and the Power Pack (Amplifier).
 - 2) **White**- Switched power to starter solenoid and Neutral Safety Switch.
 - 3) **Black**- Engine Ground wire.
 - 4) **Blue**- Connects to the Reverse Gear Solenoid.
 - 5) **Grey**- Connects to the Negative side of the ignition coil (Tach Signal).
 - 6) **Brown**- Connects to the Capacitor.
 - 7) **Green/White** - Connects to the Forward Gear Solenoid.
 - 8) **Red/White**- Connects to the Positive side of the ignition coil.
 - 9) **Tan** - Connects to the Temperature Sensor located on the cylinder head.
 - 10) **Green**- Battery cable side of the starter solenoid, splits out to the Rectifier and Vacuum Switch.
 - 11) **Purple/Yellow** – Connects the Thermo Switch to the Choke Solenoid.

SERVICE NOTE: A Purple/Yellow jumper wire is used in place of the Red/Yellow jumper wire in the original wire harness. This jumper connects the Thermo Switch with the electric Choke.

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