**Ignition & Electrical**

Separate at right. These panels are for regular (non-magneto) ignitions. — no other electronics or relays needed! Can be safely

- \( \text{Temperatures: } \) 120°F for temporary
- \( \text{Wiring: } \) 12 Gauge, 4 Anthony's
- \( \text{Accessories: } \) Weatherproof cover, mini一向

**50 Amp Ultra-Mini Alternator**

This super-compact 12 volt alternator is suitable for use on virtually any formula car or sports racer. It weighs only 6 pounds and is compact enough to fit in the smallest engine bay. Despite its size, it still puts out 50 amps.

**XLT Starters for FF1600, Sports 2000, and FA**

The compact and lightweight Tilton XLT starter fits many applications that can’t be accommodated with the Super Starter sold above. It fits Ford 4-cylinder engines with 110 tooth ring gears mated to Hewland Mk 3 and Mk 8/9 gearboxes (Formula Ford 1600, Sports 2000, and some vintage Formula Atlantic). The housing can be locked to 15 different positions (24° increments) on the mounting flange to clear obstructions. Weighs only 6.9 pounds!

**Longacre Pre-Wired Switch Panels and Accessories**

Longacre Pre-Wired Switch Panels are an easy and good-looking alternative to building and assembling your own dashboard. Each panel is pre-wired to plug directly into the wiring harness and sold separately at the bottom of this page. All of these panels include high-capacity 40 amp toggle switches with silicone rubber switch covers. Starter switches are heavy-duty push button type with a weatherproof cover. Each panel measures 3 3/4" high and is pre-drilled to match the Roll-Brakers sold separately at right. These panels are for regular (non-magneto) ignitions. Graphic designs may vary.

**Lucas Starters**

We stock Lucas inertia-type starters, factory rebuilt by Delco Remy. These starters will have either 9 or 10 tooth pinion. Either pinion will work properly with standard 110 tooth ring gears as used on Ford 1.6L and 2.0L engines (FF1600 and Sports 2000) and other common racing applications. Both mounting flanges have bolt holes located on a 4 1/2” bolt circle.

**Tilton Super Starter® for Ford 1.6L and 2.0L**

The Tilton Super Starter® is the closest thing to bulletproof that you can get. This gear reduction starter delivers greater torque and higher cranking speed and draws less current! The pre-engaged pinion is easier on the flywheel than the original inertia-type starter, too. The three-bolt mounting flange is machined from solid aluminum billet. The housing can be locked to three different positions on the mounting flange so the starter can clear obstructions. This allows its use on many chassis that use the Lucas starter. It will not fit ’91 & later Van Diemen or most Reynards with the oil tank between engine and transaxle. Weighs 11 4/5 lbs.

**List Prices**

- **Super Starter® for Ford 1.6L / 2.0L**
  - Part No. LA44865 ............... $412.25
  - Replacement mounting flange ........... Part No. 1174 .............. $115.75
  - Replacement pinion assembly ................... Part No. 1157-07 ........ $208.75
  - Replacement solenoid ......................... Part No. TE 54-4221HD .... $84.15

**Replacement solenoid includes spring and plunger.**

**Costs**

- **Super Starter® for Ford 1.6L / 2.0L**
  - Part No. 1165-002 ............. $412.25
  - Replacement mounting flange ........... Part No. 1174 .............. $115.75
  - Replacement pinion assembly ................... Part No. 1157-07 ........ $208.75
  - Replacement solenoid ......................... Part No. TE 54-4221HD .... $84.15

**Replacement solenoid includes spring and plunger.**

**Lucas Starter Relays**

These quality, heavy-duty relays are standard equipment on most British race cars. The four-terminal version has an auxiliary switch contact to bypass a series ignition resistor during starting on cars that have a resistor in-line with the ignition coil.

**Lucas Starter Relays**

- **Lucas Starter Relay, 3 Terminal**
  - Part No. LA44861 ............... $39.99
  - 3-Terminal Starter Relay Part No. 1160-3 ............... $41.99

- **Lucas Starter Relay, 4 Terminal**
  - Part No. LA44862 ............... $44.99
  - 4-Terminal Starter Relay Part No. 1160-4 ............... $49.99

**Change-Over Relays**

Relays are designed to switch high-amperage loads using a compact switch with a lower amperage rating. Our change-over relays offer 3-way operation for great versatility. Normally Open (50 amp max) turns on when the switch is off. Normally Closed (30 amp max) turns off when the switch is on. NO/NC (change-over) transfers power from the 30 amp circuit to the 50 amp circuit when the switch is off, and vice-versa. Maximum 20 millisecond make/break time. Requires 8 to 16 volts to operate (the 5v output on most data loggers is too low to trigger these relays). Standard ISO 5-pin connection. Sold individually.

- **Change Over Relay, plain**
  - Part No. LA4411-011 ............... $5.29

- **Change Over Relay, with mounting tab**
  - Part No. LA4411-012 ............... $5.29

**Pre-Wired Relay Socket, ISO 5-Pin**

- Part No. LA4411-021 ............... $2.29

ISO 5-Pin arrangement works with any relay above, or will accept any relay using the standard ISO 5-pin or 4-pin arrangement.

**Longacre 12 Gauge Wiring Harness**

Save the hassle of assembling your own harness from scratch. This harness has the 4 basic circuits: power in, start, ignition, and accessory. Comes ready to install. Color-coded wires match all Longacre switch panels for an easy-to-understand and professional-looking job.

- **Heavy-Duty 12 Gauge Wiring Harness**
  - Part No. 4493 ............... $17.99

**Pegasus Auto Racing Supplies**

2475 South 179th St. New Berlin WI 53146

Check website to verify current pricing

*Prices shown are current as of "April 21, 2020".*