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Starting Line Relay Board

The Starting Line Relay Board made by Digital Delay, allows a Mega 450/475 to control both the Line Locks and the Transbrake at the starting line without the need to use the SFO output. This allows the SFO output to be used for one of its other functions, like the SLE.

Note: The Starting Line Relay Board does not add any delay time to the release of either the Transbrake or the Line Lock solenoids.

The Starting Line Relay Board has four **Inputs**;

1. BACKUP PUSHBUTTON is for engaging only the Transbrake when backing up. This optional button is for vehicles that require the Transbrake to be engaged for backing. Connect one wire from the Backup button to power and the other wire to the Backup button Terminal on the Staring Line Relay Board.
2. DELAY BOX TRANS OUT is connected to the Trans terminal on the delay box.
3. GND (Ground) needs to be connected to Ground.
4. LINE LOCK PUSHBUTTON Connect one wire from the Line Lock button to power and the other wire to the Line Lock Pushbutton terminal on the Starting Line Relay Board. This button is used for doing the burnout.

The Starting Line Relay Board has four **Outputs**;

1. TRANSBRAKE SOLENOID - this is connected to the Transbrake solenoid. If the solenoid has two wires connect the other wire to ground.
2. LAUNCH RPM LIMIT - this is connected to either a Two Step or a launch terminal on the ignition box to control the engine RPM while the Transbrake is engaged.
3. LINE LOCK SOLENOID - this is connected to the Line Lock solenoid. If the solenoid has two wires connect the other wire to ground.
4. BURNOUT RPM LIMIT - this is connected to either a Three Step Burn-out or a Burnout terminal on the ignition box. This output is only active when the Line Lock button is pressed.

The Red LED, when lit, is used to indicate the Delay Box is sending out a signal to turn on the Transbrake and Line Lock solenoids. There are two Yellow LEDs, one for the Transbrake Solenoid output and one for the Line Lock solenoid output. They are used to indicate when the outputs are active. Any time either of the outputs is active the yellow LED will light up.

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