



QUALITY... PLAIN & SIMPLE®

## Updated Decoder Box Programming Instruction Supplement

### General Installation Notes:

Please read these instructions completely before beginning the installation. If you have any questions, please call.

Before beginning the installation, disconnect the negative battery cable and use wheel chocks to block the vehicle's wheels.

Make sure the engine, transmission, body and frame are properly grounded. We recommend using anti-seize lubricant on all aluminum threads.

*These instructions are for Lokar's new style of decoder box, shown in Fig. 1. The new style decoder box has screw type terminals in all positions instead of spring type terminals, and the programming process is different.*

**PLEASE DISREGARD THE "PROGRAMMING THE GEAR POSITIONS" SECTION OF THE ACCOMPANYING INSTRUCTIONS, AND FOLLOW THESE INSTEAD.**

Programming is done using the push-button **SET** switch on the top of the decoder box and watching the programming LED's located next to each gear position designation on the decoder box.

**NOTE:** For the programming procedures below, you will be watching the LEDs on the decoder box, NOT on the Boot Indicator or Dash Indicator.

*The programming sequence must be completed without interruption for the settings to be saved. If you stop or turn the key off at any point during the programming sequence, you will have to start over again from the beginning.*

**Step 1:** Place the transmission in Park and make sure the key is off. Reconnect the negative battery cable.

**Step 2:** Press and hold the set switch. Fig. 2 Turn the ignition key on while holding the set switch down. Then, release the set switch.

**Step 3:** The programming lights will be either all green or all red, except for the **STATUS** light which will be red. All green means the decoder box is currently set for ground (-) outputs, which is correct for a Lokar Indicator. If you are using a Lokar Indicator and your lights are all green (except for the **STATUS** light) at this point, proceed to **Step 4**.

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If the programming lights are all red, that means the decoder box is currently set for positive (+) outputs, which some other brands of indicators use. If your programming lights are all red, and you are using a Lokar Indicator, press and release the set switch. This will change the mode of the decoder box to ground (-) outputs. The programming lights will turn green, and you can then proceed to **Step 4**.

If you are using an indicator from another manufacturer, determine if your indicator requires ground (-) outputs or positive (+) outputs. Press and release the set switch if needed to put the decoder box in the correct mode for the other manufacturer's indicator. Follow the instructions provided with the other manufacturer's indicator.

**Step 4:** Press and hold the set switch for approximately 3 seconds until all of the programming lights turn off, to save the output setting and put the decoder box in programming mode. Then, release the set switch. For a Lokar Indicator, the **PARK** light should be flashing green.

If at any point in the programming the **STATUS** light starts flashing red and green, that means that the sensor is not moving.

**Step 5:** Press and hold the set switch for approximately 3 seconds until the **PARK** light remains on steady.

**Step 6:** Release the set switch. The **PARK** light will go out, and the **REVERSE** light should begin flashing.

**Step 7:** Shift the transmission to Reverse.

**Step 8:** Press and hold the set switch for approximately 3 seconds until the **REVERSE** light remains on steady.

**Step 9:** Release the set switch. The **REVERSE** light will go out, and the **NEUTRAL** light should begin flashing.

**Step 10:** Shift the transmission to Neutral.

**Step 11:** Press and hold the set switch for approximately 3 seconds until the **NEUTRAL** light remains on steady.

**Step 12:** Release the set switch. The **NEUTRAL** light will go out, and the **OVERDRIVE** light should begin flashing.

**The following steps are specific to the type of transmission you have.**

**For GM TH350, TH400, TH200, Ford C4, C6, Chrysler 727, 904, 518:**

**Step 13:** Shift the transmission to Drive.

**Step 14:** Press and release the set switch. The **OVERDRIVE** light will go out, and the **DRIVE** light should begin flashing.

**Step 15:** Press and hold the set switch for approximately 3 seconds until the **DRIVE** light remains on steady.

**Step 16:** Release the set switch. The **DRIVE** light will go out, and the **SECOND** light should begin flashing.

**Step 17:** Shift the transmission to Second gear.

**Step 18:** Press and hold the set switch for approximately 3 seconds until the **SECOND** light remains on steady.

**Step 19:** Release the set switch. The **SECOND** light will go out, and the **FIRST** light should begin flashing.

**Step 20:** Shift the transmission to First gear.

**Step 21:** Press and hold the set switch for approximately 3 seconds until the **FIRST** light remains on steady.

**Step 22:** Release the set switch. The **FIRST** light will go out and the **STATUS** light will begin flashing red.

**Step 23:** Press and hold the set switch for approximately 3 seconds until the **STATUS** light turns off. Release the set switch. The **FIRST** light should be on steady and the **STATUS** light should be steady green.

**Step 24:** Shift the transmission through each of the gears to verify that the programming lights match correctly.

**Step 25:** Following the wiring diagram in Fig. 2, connect the rest of the wires from the LED indicator to the decoder box.

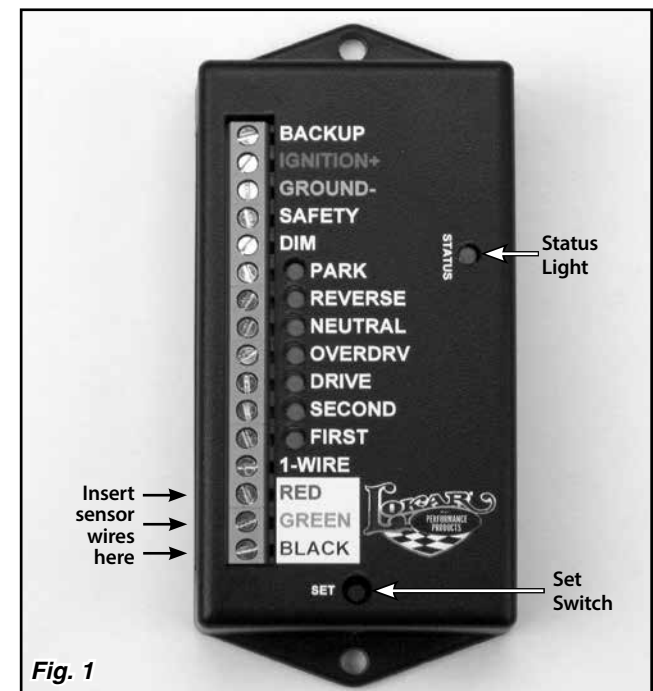


Fig. 1

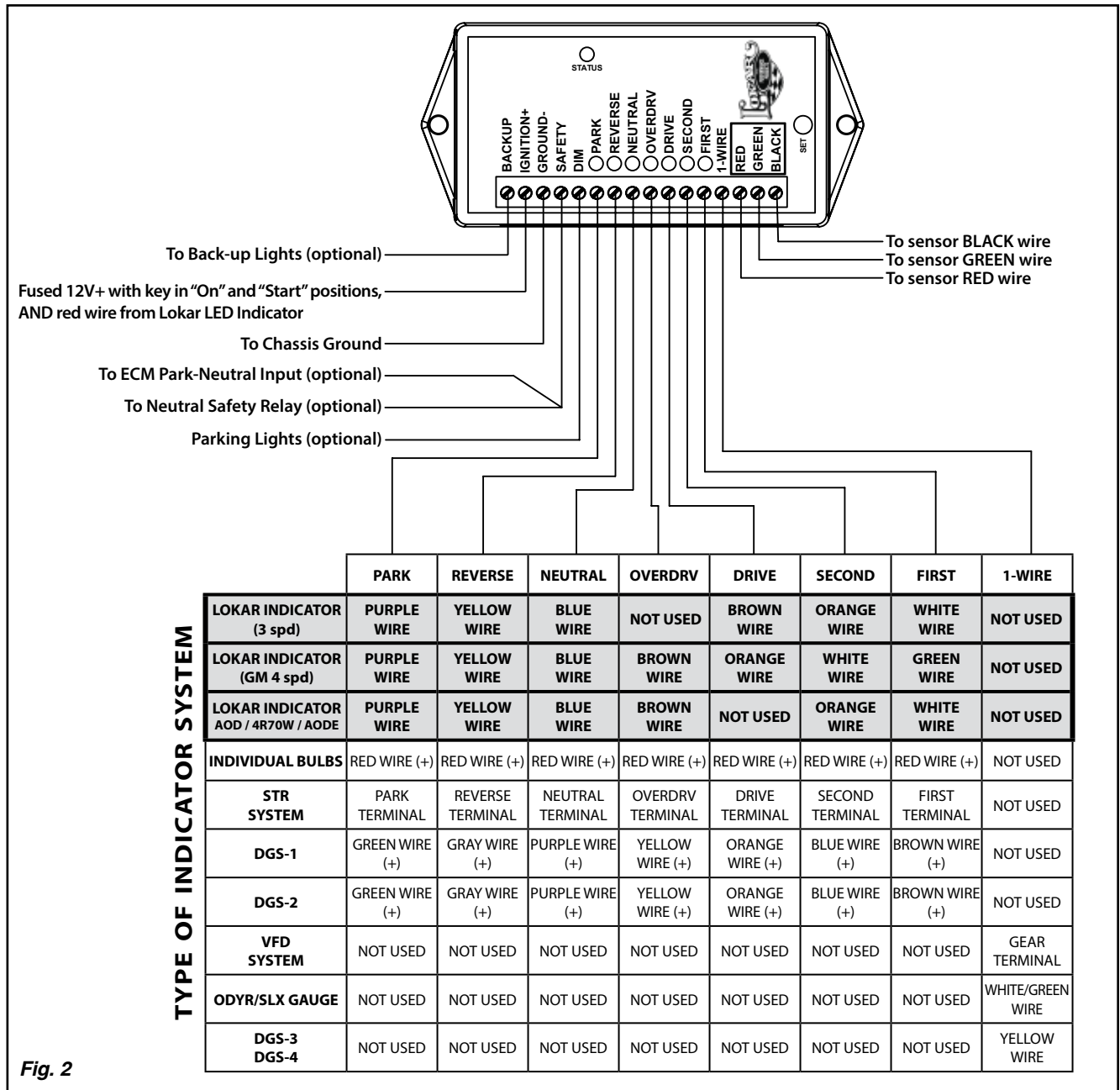
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### For GM 700-R4, 4L60, 4L60E, 4L80E, and 200-4R:

- Step 13:** After having programmed Park through Neutral as described earlier, shift the transmission to Overdrive.
- Step 14:** Press and hold the set switch for approximately 3 seconds until the **OVERDRIVE** light remains on steady.
- Step 15:** Release the set switch. The **OVERDRIVE** light will go out and the **DRIVE** light should begin flashing.
- Step 16:** Shift the transmission to Drive.
- Step 17:** Press and hold the set switch for approximately 3 seconds until the **DRIVE** light remains on steady.
- Step 18:** Release the set switch. The **DRIVE** light will go out and the **SECOND** light should begin flashing.
- Step 19:** Shift the transmission to Second gear.
- Step 20:** Press and hold the set switch for approximately 3 seconds until the **SECOND** light remains on steady.
- Step 21:** Release the set switch. The **SECOND** light will go out and the **FIRST** light should begin flashing.
- Step 22:** Shift the transmission to First gear.
- Step 23:** Press and hold the set switch for approximately 3 seconds until the **FIRST** light remains on steady.
- Step 24:** Release the set switch. The **FIRST** light will go out and the **STATUS** light will begin flashing red.
- Step 25:** Press and hold the set switch for approximately 3 seconds until the **STATUS** light turns off. Release the set switch. The **FIRST** light should be on steady and the **STATUS** light should be steady green.
- Step 26:** Shift the transmission through each of the gears to verify that the programming lights match correctly.
- Step 27:** Following the wiring diagram in **Fig. 2**, connect the rest of the wires from the LED indicator to the decoder box.

### For Ford AOD, 4R70W, and AODE:

- Step 13:** After having programmed Park through Neutral as described earlier, shift the transmission to Overdrive.
- Step 14:** Press and hold the set switch for approximately 3 seconds until the **OVERDRIVE** light remains on steady.
- Step 15:** Release the set switch. The **OVERDRIVE** light will go out and the **DRIVE** light should begin flashing.
- Step 16:** Shift the transmission to **DRIVE**.
- Step 17:** Press and hold the set switch for approximately three seconds until the **DRIVE** light remains on steady.
- Step 18:** Release the set switch. The **DRIVE** light should go out and the **SECOND** should begin flashing.
- Step 19:** Shift the transmission to First gear.
- Step 20:** Press and release the set switch. The **SECOND** light should go out and the **FIRST** light should begin flashing.
- Step 21:** Press and hold the set switch for approximately 3 seconds until the **FIRST** light remains on steady.
- Step 22:** Release the set switch. The **FIRST** light will go out and the **STATUS** light will begin flashing red.
- Step 23:** Press and hold the set switch for approximately 3 seconds until the **STATUS** light turns off. Release the set switch. The **FIRST** light should be on steady and the **STATUS** light should be steady green.



**Fig. 2**

- Step 24:** Shift the transmission through each of the gears to verify that the programming lights match correctly.
- Step 25:** Following the wiring diagram in **Fig. 2**, connect the rest of the wires from the LED indicator to the decoder box.