

**ABOUT THE SYSTEM**

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Both the CK7G-HC1 unit and CK7RP remote panel come equipped with an amber LED light to display diagnostic fault codes from the Kohler ECU. In normal operation the lights will remain off while the unit is running. If a fault code becomes present the light will turn on.

NOTE: LED light will remain on but dim when unit is off or running without fault code. This is a known problem with the Kohler ECU. We are working with Kohler to resolve this issue.

**CHECKING FOR FAULT CODES**

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To check for fault codes start with the switch in the off position (if equipped with remote panel keep unit switch in run position and remote switch in off position). Cycle the switch in the following sequence to begin receiving diagnostic fault codes [ON-OFF-ON-OFF-ON] (if equipped with remote panel keep unit switch in run position and cycle remote switch).

NOTE: Timing between sequences must be less than 2.5 seconds to display codes

**READING FAULT CODES**

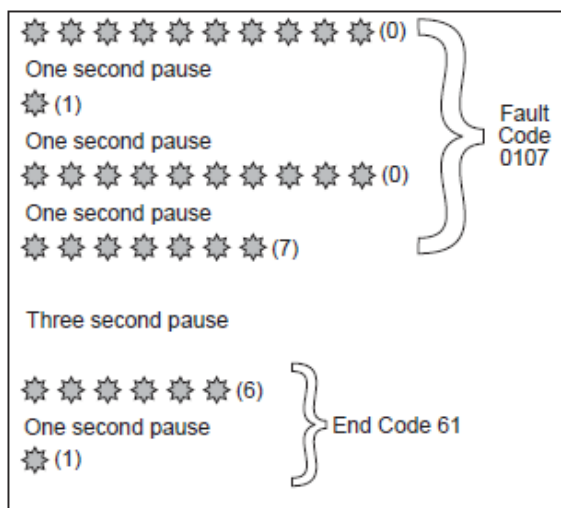
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The fault codes present on the ECU will be displayed as a sequence of flashes on the LED indicator light(s). These four (4) digit codes are displayed as a series of flashes followed by a one (1) second pause between numbers and a three (3) second pause between separate fault codes. Each code number is determined by counting the number of flashes before the one (1) second pause.

NOTE: ten (10) flashes correlates to the number zero (0)

After the fault codes have been displayed there will be an additional two (2) digit code displayed to signal the end of fault codes. Code 61 will be displayed and fault codes will begin to repeat.

NOTE: If no fault codes are present code 61 will be displayed and indicator light will remain lit



**DIAGNOSTIC FAULT CODE SUMMARY**

| <b>FAULT CODE</b> | <b>CONNECTION OR FAILURE DESCRIPTION</b>                                    |
|-------------------|---|
| 0031              | Oxygen Sensor Heater Circuit Low Voltage                                    |
| 0032              | Oxygen Sensor Heater Circuit High Voltage                                   |
| 0107              | Manifold Absolute Pressure (MAP or TMAP) Sensor Circuit Low Voltage or Open |
| 0108              | Manifold Absolute Pressure (MAP or TMAP) Sensor Circuit High Voltage        |
| 0112              | Intake Air Temperature (IAT or TMAP) Sensor Circuit Low Voltage             |
| 0113              | Intake Air Temperature (IAT or TMAP) Sensor Circuit High Voltage or Open    |
| 0117              | Coolant/Oil Temperature Sensor Circuit Low Voltage                          |
| 0118              | Coolant/Oil Temperature Sensor Circuit High Voltage or Open                 |
| 0122              | Throttle Position Sensor Circuit Low Voltage or Open                        |
| 0123              | Throttle Position Sensor Circuit High Voltage                               |
| 0131              | Oxygen Sensor 1 Circuit Low Voltage, or Open                                |
| 0132              | Oxygen Sensor 1 Circuit High Voltage  |
| 0171              | Maximum Adaptation Limit Exceeded   |
| 0172              | Minimum Adaptation Limit Exceeded   |
| 0174              | Lean Fuel Condition at High Load (Open Loop)                                |
| 0201              | Injector 1 Circuit Malfunction  |
| 0202              | Injector 2 Circuit Malfunction  |
| 0230              | Fuel Pump Module Circuit Low Voltage or Open                                |
| 0232              | Fuel Pump Module Circuit High Voltage                                       |
| 0336              | Crankshaft Position Sensor Noisy Signal                                     |
| 0337              | Crankshaft Position Sensor No Signal  |
| 0351              | Cylinder 1 Ignition Coil Malfunction  |
| 0352              | Cylinder 2 Ignition Coil Malfunction  |
| 0562              | System Voltage Low  |
| 0563              | System Voltage High   |
| 61                | End of Code Transmission  |

NOTE: For detailed diagnostic code summary see Kohler ECH730 Service Manual (pg. 50-56)

**CLEARING FAULT CODES**

To clear fault codes after servicing this unit follow the ECU reset and TPS learn procedure provided in the Kohler ECH730 service manual (pg. 35).