



700T ECU Rev 8-2014

The ECUs for HKS-700T MUST be replaced with units that are programmed differently. The pre take off test sequence below is amended from Operation Manual 2010 Aug Ver 1.00. Test sequence for the new ECU is changed as shown in blue, and eliminated as shown lined out. This change is required because at step 6 where IGSW1 is switched back on, returning to Normal Injector System from Emergency System, ECU2 detects an injector error even though no error exists. This conflict can result in a random failure. Delivery of new ECUs remains on schedule to be completed during August 2014.

1. Close Throttle, turn on all of MainSW, IGSW1, IGSW2. Make sure that all LEDs are ON. After 3 seconds, Warning LED1, 2 will be off. If LED turns off, there is no problem on the wiring. In case LED remains to be on, wiring is cut or short. Check and repair.
2. Press Starter SW and start the engine. Adjust throttle to warm at 2000rpm while 2 minutes. Then 2500-3000rpm while increase oil temperature to 50 degrees C (122 degrees F). Adjust throttle at 3000rpm. Start Mag check.
3. Turn off IGSW2. Warning LED1 blinks slowly. At this time, IG coil1 is checked. Main Injectors of both cylinders are checked by ECU1. After 5 seconds, Warning LED1 blinks fast. At this time, E Injectors of both cylinders are checked by ECU1.
4. Turn on IGSW2. Warning LED2 turns on **and Warning LED1 turns off**. After 3 seconds, Warning LED2 turns off. ~~LED1 keeps turning on. At this time, diagnosis function of ECU1 is checked.~~
5. Turn off IGSW1. Warning LED2 blinks slowly. At this time, IG coil2 is checked. Main Injectors of both cylinders are checked by ECU2. After 5 seconds, Warning LED2 blinks fast. At this time, E Injectors of both cylinders are checked by ECU2.
6. Turn on IGSW1. Warning LED1 turns on **and Warning LED2 turns off**. After 3 seconds, Warning LED1 turns off. ~~LED2 keeps turning on. At this time, diagnosis function of ECU2 is checked.~~
At this time, both LEDs turn off and mag check is finished.
7. ~~Turn off IGSW2. Warning LED1 blinks slowly. During the slow blinking (about 2-4 seconds), turn on IGSW2 again.~~
~~Both Warning LED1, 2 turn on for 3 seconds. Then, they turn off.~~