05HMW–01

MONITOR DRIVE PATTERN

1. MONITOR DRIVE PATTERN FOR ECT TEST

(a) Perform this drive pattern as one method to simulate the detection conditions of the ECT malfunctions. (The DTCs may not be detected due the actual driving conditions. And some codes may not be detected through this drive pattern.)

HINT:

Preparation for driving

- Warm up the engine sufficiently. (Engine coolant temperature is 60 °C (140 °F) or higher)
- Drive the vehicle when the atmospheric temperature is –10 °C (14 °F) or higher. (Malfunction is not detected when the atmospheric temperature is –10 °C (14 °F) or less)

Notice in driving

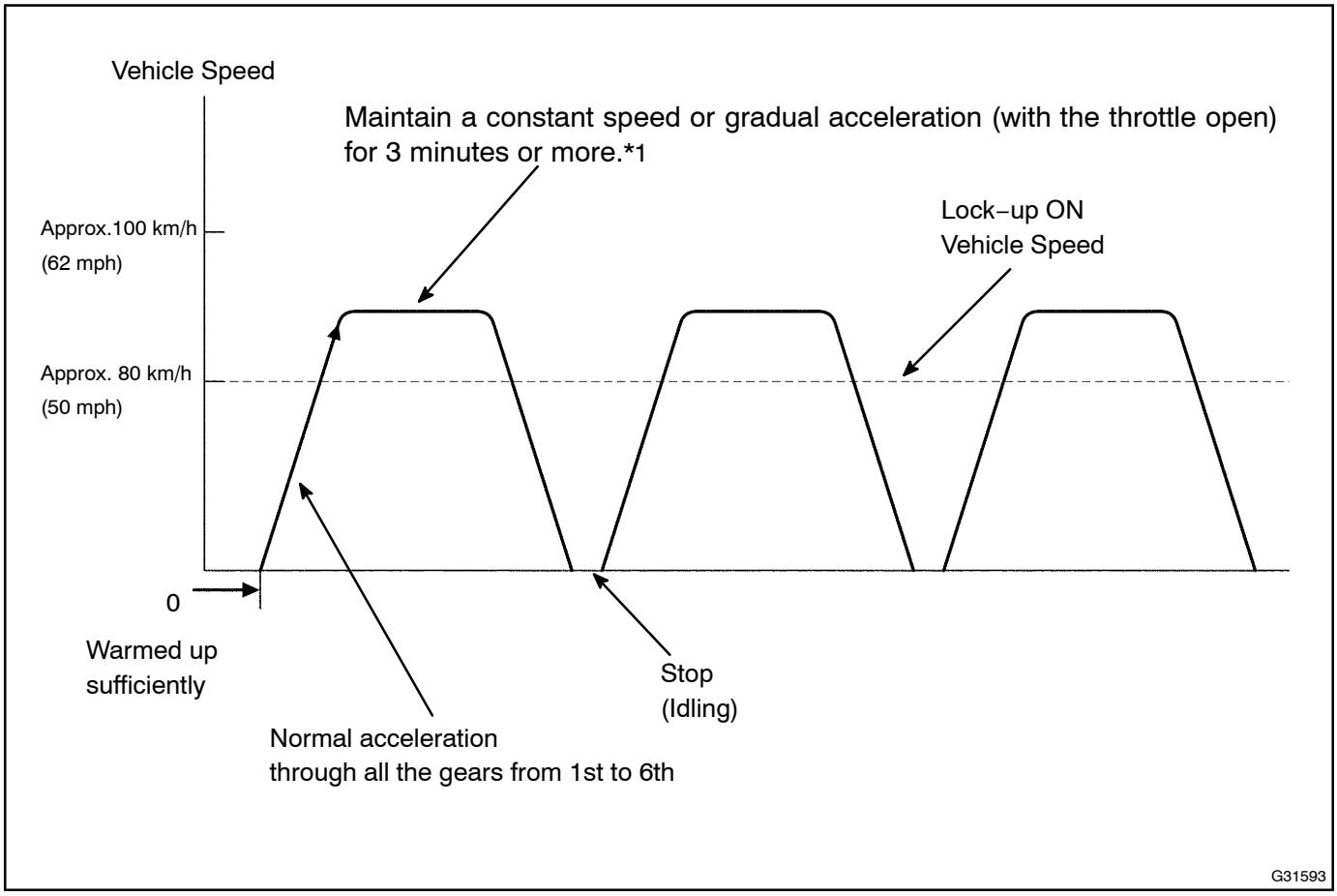
- Drive the vehicle through all gears.
  Stop → 1st → 2nd → 3rd → 4th → 5th → 6th → 6th (lock–up ON).
- Perform engine brake test in the S position.
  While driving in the 6(S) position and 6th gear lock–up, shift into the "–" position and down–shift from 6th to 5th, 5th to 4th, 4th to 3rd, 3rd to 2nd, 2nd to 1st.
  Check that the engine brake performs properly whenever down–shift takes place.
- Repeat the above driving pattern three times or more.

NOTICE:

- **When using the intelligent tester II, monitor status can be found in the "Diagnosis / OBD·MOBD / Power train / Engine and ECT / Data List".**
- **In the event that the drive pattern must be interrupted (possibly due to traffic conditions or other factors) the drive pattern can be resumed and, in most cases, the monitor can be completed.**

CAUTION:

Perform this drive pattern on a level road as much as possible and strictly observe the posted speed limits and traffic laws while driving.



HINT:

*1: Drive at such a speed in the uppermost gear, to engage lock–up. The vehicle can be driven at a speed lower than that in the above diagram under the lock–up condition.

NOTICE:

It is necessary to drive the vehicle for approximately 30 minutes to detect DTC P0711 (ATF temperature sensor malfunction).