## 6. Time Lag Test

## A: INSPECTION

## NOTE:

When the select lever is shifted while the engine is idling, there will be a certain time elapse or lag before shock is felt. This is used for checking the condition of the low clutch, reverse clutch, low & reverse brake and one-way clutch.

- Perform the test at normal operation fluid temperature of 70 80°C (158 176°F).
- Be sure to allow a one minute interval between tests.
- Make three measurements and take the average value.
- 1) Fully apply the parking brake.
- 2) Start the engine.

Check the idle speed (A/C OFF).

3) Shift the select lever from "N" to "D" range. Using a stop watch, measure the time which takes

from shifting the lever until the shock is felt. Time lag: Less than 1.2 seconds

If "N"  $\rightarrow$  "D" time lag is longer than specified:

- Line pressure too low
- Low clutch worn
- One-way clutch not operating properly
- D-ring worn
- 4) In the same manner, measure the time lag of "N"  $\rightarrow$  "R".

Time lag: Less than 1.5 seconds

If "N"  $\rightarrow$  "R" time lag is longer than specified:

- · Line pressure too low
- · Reverse clutch worn
- Low & reverse brake worn
- D-ring worn