

## ROAD TEST

### AUTOMATIC TRANSMISSION

---

#### 4. Road Test

##### A: INSPECTION

##### 1. GENERAL PRECAUTION

Road tests should be conducted to properly diagnose the condition of the automatic transmission.

##### NOTE:

When performing the test, do not exceed posted speed limit.

##### 2. D RANGE SHIFT FUNCTION

Check shifting between 1st  $\leftrightarrow$  2nd  $\leftrightarrow$  3rd  $\leftrightarrow$  4th while driving on normal city streets.

##### 3. D RANGE SHIFT SHOCK

Check the shock level when shifting up during normal driving.

##### 4. KICK-DOWN FUNCTION

Check kick-down for each gear. Also check the kick-down shock level.

##### 5. ENGINE BRAKE OPERATION

- Check the 3rd gear engine brake when shifting between D  $\leftrightarrow$  3rd range while driving in 4th gear of D range [50 to 60 km/h (31 to 37 MPH)].
- Check the 2nd gear engine brake when shifting between 3  $\leftrightarrow$  2 range while driving in the 3 range 3rd gear [40 to 50 km/h (25 to 31 MPH)].
- Check the 1st gear engine brake when shifting between 2  $\leftrightarrow$  1 range while driving in the 2 range 2nd gear [20 to 30 km/h (12 to 19 MPH)].

##### 6. LOCK-UP FUNCTION

Check that rpm does not change sharply when the accelerator pedal is lightly depressed when driving on flat roads at normal speed in the lock-up range.

##### 7. P RANGE OPERATION

Stop the vehicle on an uphill grade of 5% or more and shift to "P" range. Check that the vehicle does not move when the parking brake is released.

##### 8. UNUSUAL SOUNDS AND VIBRATION

Check for unusual sounds and vibration while driving and during shifting.

##### 9. CLIMBING CONTROL FUNCTION

- Check that the gear remains in 3rd when going up a grade.
- Check that the gear remains in 3rd when applying the brakes while going down a grade.

##### 10. TRANSFER CLUTCH

Check if the tight corner braking occurs when the vehicle is started with steering wheel held at fully turned position.

##### 11. OIL LEAKS

After the driving test, inspect for oil leaks.

AT-32