



NSW Fair Trading
Reg No INC1700693

Registered Office: 9 Madeira Avenue
KINGS LANGLEY NSW 2147
AUSTRALIA

Phone: +61 (02) 9620 8475
E-mail: lcacommittee@outlook.com.au

Brake Training Day – 11th May 21 / 25th May 21

HMAS Numinbah – TAFE T13 Eastern Rd, Quakers Hill NSW 2764

Proposed Agenda

1. 8.00am - Meet at the test track (*Set up chair/tables & marquees*)
2. 8.30am - Set up of test vehicles and test equipment 8.30am
- Vee box / Curcuitlink RxG / Other?
3. 9.00am – 11.00pm - Brake assessment Manual Testing (Std Toyota Hilux / Modified Toyota Hilux (BAM 2 April 2021))
 - Type O Engine disconnected (*Three “3” Test runs per test condition*)
Test Criteria – MFDD of a least 6.43m/sec², Brake Pedal force 65N – 500N, 80k m/h & 100 km/h, stopping distance 46.4m & 70m respectively.
 - Stabilisation of test speed at 60 km/h (83.3m) prior test
 - Stabilisation of test speed at 80 km/h (111.1m) prior test
 - Stabilisation of test speed at 100 km/h (138.8m) prior test
 - Type H - Spike stops and/or Fatigue Assessment (*Two “2” Test runs per test condition*)
Test Criteria – The vehicle is brought to a stop after the momentary wheel lock as quickly as possible and without further locking of the wheels.
 - Brakes to be less than 100°C prior to the start of the test and the temperature of the front and rear brakes are within 5°C of each other.
 - Test speed of 55 km/h.
 - Type I Heating Procedure, Engine disconnected (*One “1” Test run per test condition*)
Test Criteria – Brake control to attain a mean deceleration of 3m/sec², test to be repeated 15 times. Brake Pedal force to attain a mean average of 3 m/sec² on all tests.
 - Test speed at 80 km/h to 40km/h with 45 secs between the start of each braking cycle.
4. 11.00am - LT2 Lane Change Manoeuvrer Test (Preferably two Test Vehicles)
 - The procedure consists of driving a vehicle through a set track that simulates an emergency lane-change manoeuvre. The vehicle is driven from its initial lane to another lane (parallel to the initial lane), then returning to the initial lane. The length of each track section remains constant whilst the track width is a function of the test vehicle width.
Test Criteria – The overall length of the track must be 125m. Marking of the track to be in accordance with VSB 14 Section LT test Procedures. Wind speed must not exceed 3 m/s (11 km/h). Commence testing at a speed not exceeding 80 km/h, speeds to be incrementally increased up to the maximum test speed as the test driver and Signatory deem to be safe. 110 km/h +/- 3 km/h for all MA vehicles and all passenger cars; 100 km/h +/- 3 km/h for all other vehicles.
Passenger Vehicles:
Vehicle Test Mass 1 = test tare mass plus the mass of the driver. To meet this requirement the driver must weigh at least 68 kg. Vehicle Test mass 2 = (Number of seats x 68kg) +(Number of seats x 13.6kg).
Goods Carrying Vehicles:
As per above vehicle Test Mass 1 plus sufficient ballast, uniformly distributed over the goods carrying area, to load the vehicle to its GVM.
5. 12.30pm - Discussion / feedback time
6. 1.00pm – Close / Pack up

Note: Test Vehicles depending on availability (Landcruiser: Mitsubishi Triton Twin Cab)

JO06052021R6