

# BRAKE TEST INSTRUCTION



**Note: The brake Test must be conducted only after the In-House Technical Inspection**

**Requirement:**

1. Need to submit 2 videos, one from the front and another from a side view.
2. Make sure you are doing the Brake Test in an open area and there is no obstacle within 180 degrees of the layout.
3. Use proper driving safety equipment.
4. Use a single fluid line with only one Brake Cylinder and one Brake Caliper.
5. Layout description:
  - Straight road about at least a length of 60 m.
  - Draw four lines
    - a. Starting point
    - b. Brake line (where you apply the brake at 30 m)
    - c. Stop lines (7 m from Brake line)
    - d. Extra line (3 m from Stop lines )
  - The speed of the vehicle must be not less than 40 kmph.
  - Take an initial 30 m leap to achieve the required speed.
  - Apply brake once the front tyre touches the brake line.
  - Tyres must be locked once the brake is applied and must not skid.
  - It should be clearly visible in the video.

**Technical Instruction:**

1. The fluid line must be in a single line to avoid the leakage from joints of the fluid line.
2. If joints are present, the hose clip must be tightened to a metal joint (the joint must be rigid)
3. If the team uses a rubber pipe then the pipe must be ISO rated including spring wounded over the rubber pipe.
4. Reservoir and brake pedal must have sufficient distance
5. Fluid Reservoir must be mounted rigidly
6. Submit a complete video of the fluid Line.
7. Direction of the bleeding port (caliper) must be directed towards the upward direction.