

Team ID: _____ Team Name: _____

Teams must pass this Test Parade Checklist to ensure that all robot vehicles meet the specifications and functional requirements. Maximum 5 attempts are permitted.

- A **numbered** flag will be given when test items 1 – 6 below are passed. Note that items 7 & 8 do not affect other robots during the parade.
- Teams that do not fully meet test items 1 – 6, will be given a **lettered** flag, though final judging score will be evaluated by individual Judges.

| Test Item | Details | Tally of attempts | Pass or No-pass | Notes | |
|--|--|-------------------|-----------------|--------------------------|--|
| 1. Robot Length | Maximum width: 35cm (13.78"); Max. overall length: 60cm (23.62") | | | | |
| | No robot or float section greater than 35cm (13.78") | | | | |
| 2. Rear Bumper | At least 10cm (3.9") tall and 28cm (11") wide; 2.54cm (1") off the ground | | | | |
| | Remains over the line throughout the course. <i>(Must be tested during the Autonomous Performance Tests 3 & 4)</i> | | | | |
| 3. Autonomous Performance (Clockwise) | Negotiates the official parade route without human touch at least a half circle with 2 curves | | | | |
| 4. Autonomous Performance (Counter-clockwise) | Negotiates the official parade route without human touch at least a half circle with 2 curves | | | | |
| 5. Object (Rear Bumper) Detection <i>(Must be tested during Autonomous Performance tests 3 & 4, above)</i> | Waits and restarts on straight line | | | | |
| | Waits and restarts on clockwise curve | | | | |
| | Waits and restarts on counter-clockwise curve | | | | |
| 6. Speed limit | 7cm/sec - 16cm/sec | | | Measured Speed: | |
| 7. Speed Display | Accurate to ± 1.5 cm/sec | | | Displayed Speed: | |
| 8. Speed Math | Team members understand perfectly the math behind speed calculation | | | Score if paper exam used | |

Flag Assigned: _____ Test Parade Judge Signature: _____