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| **Test Case Name** |
| Detect Obstacle |

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| **Test Case ID** | TC-2 | **Created By** | Joshua |
| **Component** |  | **Creation Date** | 12/1/2018 1:30 PM |
|  | | **Modified By** |  |
|  | | **Modified Date** |  |

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| **Requirements Covered** |
| Car must be able to detect obstacles |

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| **Purpose of test** |
| This test will make sure the car can detect the obstacle and then stop to avoid it. |

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| **Input Test Data** |
| Place black tape on a surface about 5 feet long, then place a box on the line. |

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| **Test Steps** |
| |  |  |  | | --- | --- | --- | | **#** | **Description** | **Expected Outcome** | | **1** | Place the car on the line while it is off. |  | | **2** | Turn on the car. | Will follow the line. | | **3** | Have the car detect the obstacle. | The car will stop. | |
| **Overall Outcome** |
| **Follow the line and avoid the obstacle on the line, stop in front of the obstacle.** |