Appendix C
Test response data

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Appendix Prepared by: Drew Sherry
Appendix Checked by: David Corless
## List of tests

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2. Test response data

Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130003
Test Date : 15 February, 2013
Test Specimen : TS57205
Front Load : N/A
Rear Load : N/A
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 21.8°

Wheel lost contact at 24.5°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130007
Test Date : 15 February, 2013
Test Specimen : TS57205
Front Load : 20kg
Rear Load : 30kg
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 20.3°

Wheel lost contact at 22.2°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130009
Test Date : 15 February, 2013
Test Specimen : TS57205
Front Load : N/A
Rear Load : 30kg
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 22.4°

Wheel lost contact at 23.9°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Wheel lost contact at 39.2°

Wheel lost contact at 34.3°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No. : G130012
Test Date : 18 February, 2013
Test Specimen : TS57199
Front Load : N/A
Rear Load : N/A
Test Config. : Roll Propensity
ATD : 95th Percentile Male
Wheel lost contact at 27.7°

Wheel lost contact at 24.1°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130013
Test Date: 18 February, 2013
Test Specimen: TS57199
Front Load: 15kg
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 95th Percentile Male

Wheel lost contact at 26.1°

Wheel lost contact at 21.9°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 29.3°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 38.1°

Test No. : G130016
Test Date : 18 February, 2013
Test Specimen : TS57204
Front Load : N/A
Rear Load : N/A
Test Config. : Roll Propensity
ATD : N/A
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130018  
Test Date : 18 February, 2013  
Test Specimen : TS57204  
Front Load : 20kg  
Rear Load : N/A  
Test Config. : Roll Propensity  
ATD : 95th Percentile Male  

Wheel lost contact at 20.4°

Wheel lost contact at 25.9°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130019
Test Date : 18 February, 2013
Test Specimen : TS57204
Front Load : 20kg
Rear Load : 30kg
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 21.7°

Wheel lost contact at 25.0°
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 24.0°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 27.2°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130022
Test Date: 20 February, 2013
Test Specimen: TS57212
Front Load: N/A
Rear Load: N/A
Test Config.: Roll Propensity
ATD: N/A

Wheel lost contact at 43.1°

Wheel lost contact at 35.0°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No. : G130023
Test Date : 20 February, 2013
Test Specimen : TS57212
Front Load : N/A
Rear Load : N/A
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 29.2°

Wheel lost contact at 24.4°
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 31.4°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 36.6°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 36.2\(^\circ\)

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 47.6\(^\circ\)
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No.: G130030
Test Date: 21 February, 2013
Test Specimen: TS57211
Front Load: N/A
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 5th Percentile Female

Wheel lost contact at 31.3°

Wheel lost contact at 37.9°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Wheel lost contact at 29.4°

Wheel lost contact at 24.7°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No. : G130037
Test Date : 21 February, 2013
Test Specimen : TS57213
Front Load : N/A
Rear Load : N/A
Test Config. : Roll Propensity
ATD : N/A

Wheel lost contact at 42.8°

Wheel lost contact at 38.9°
Wheel load vs tilt angle, roll, left front

Wheel lost contact at 33.5°

Wheel load vs tilt angle, roll, left rear

Wheel lost contact at 31.7°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130040
Test Date: 22 February, 2013
Test Specimen: TS57200
Front Load: N/A
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 29.9°

Wheel lost contact at 25.3°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No. : G130041
Test Date : 22 February, 2013
Test Specimen : TS57200
Front Load : 30
Rear Load : N/A
Test Config. : Roll Propensity
ATD : 95th

Wheel lost contact at 29.6°

Wheel lost contact at 22.2°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130042
Test Date: 22 February, 2013
Test Specimen: TS57200
Front Load: 30kg
Rear Load: 60kg
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 27.2°

Wheel lost contact at 24.2°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No.: G130044
Test Date: 22 February, 2013
Test Specimen: TS57206
Front Load: N/A
Rear Load: N/A
Test Config.: Roll Propensity
ATD: N/A

Wheel lost contact at 35.4°

Wheel lost contact at 36.8°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130046
Test Date: 22 February, 2013
Test Specimen : TS57206
Front Load : 20kg
Rear Load : N/A
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 27.4°

Wheel lost contact at 29.5°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No.: G130047
Test Date: 22 February, 2013
Test Specimen: TS57206
Front Load: 20kg
Rear Load: 40kg
Test Config.: Roll Propensity
ATD: 95th Percentile Male

Wheel lost contact at 29.0°

Wheel lost contact at 28.5°
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Test No. : G130048
Test Date : 22 February, 2013
Test Specimen : TS57206
Front Load : N/A
Rear Load : 40kg
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 29.2°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 27.8°
Wheel load vs tilt angle, roll, left front

Wheel lost contact at 37.6°

Wheel load vs tilt angle, roll, left rear

Wheel lost contact at 30.7°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130050
Test Date: 25 February, 2013
Test Specimen: TS57202
Front Load: N/A
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 30.8°

Wheel lost contact at 27.3°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No. : G130052
Test Date : 25 February, 2013
Test Specimen : TS57202
Front Load : 39kg
Rear Load : 78kg
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 27.8°

Wheel lost contact at 26.4°
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 35.8°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 36.5°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130056
Test Date : 25 February, 2013
Test Specimen : TS57206 + Lifeguard
Front Load : N/A
Rear Load : N/A
Test Config. : Roll Propensity
ATD : 95th

Wheel lost contact at 30.0°

Wheel lost contact at 29.4°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130058
Test Date : 26 February, 2013
Test Specimen : TS57206 + Quadbar
Front Load : 20kg
Rear Load : N/A
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 28.3°

Wheel lost contact at 30.5°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130066
Test Date: 26 February, 2013
Test Specimen: TS57199 + QuadBar
Front Load: 15kg
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 25.9°

Wheel lost contact at 22.0°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130067
Test Date: 26 February, 2013
Test Specimen: TS57199 + QuadBar
Front Load: 15kg
Rear Load: 30kg
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 25.6°

Wheel lost contact at 23.6°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130068
Test Date: 26 February, 2013
Test Specimen: TS57199 + QuadBar
Front Load: N/A
Rear Load: 30kg
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 27.0°

Wheel lost contact at 25.7°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Wheel lost contact at 26.4°

Wheel lost contact at 24.2°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130070
Test Date: 26 February, 2013
Test Specimen: TS57199 + LifeGuard
Front Load: 15kg
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 25.2°

Wheel lost contact at 21.9°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130071
Test Date: 26 February, 2013
Test Specimen: TS57199 + LifeGuard
Front Load: 15kg
Rear Load: 15kg
Test Config.: Roll Propensity
ATD: 95th Percentile Male

Wheel lost contact at 25.1°

Wheel lost contact at 22.7°
Wheel load vs tilt angle, roll, left front

Wheel lost contact at 26.5°

Wheel load vs tilt angle, roll, left rear

Wheel lost contact at 24.5°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130075
Test Date : 27 February, 2013
Test Specimen : TS57205 + QuadBar
Front Load : N/A
Rear Load : N/A
Test Config. : Roll Propensity
ATD : 95th

Wheel lost contact at 21.6°

Wheel lost contact at 24.1°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130076
Test Date : 27 February, 2013
Test Specimen : TS57205 + QuadBar
Front Load : 20kg
Rear Load : N/A
Test Config : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 18.9°

Wheel lost contact at 22.7°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130078
Test Date : 27 February, 2013
Test Specimen : TS57205 + QuadBar
Front Load : N/A
Rear Load : 30kg
Test Config : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 22.5°

Wheel lost contact at 24.3°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No.: G130079
Test Date: 28 February, 2013
Test Specimen: TS57205 + LifeGuard
Front Load: N/A
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 21.5°

Wheel lost contact at 23.5°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130082
Test Date : 28 February, 2013
Test Specimen : TS57205 + LifeGuard
Front Load : N/A
Rear Load : 15kg
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 22.0°

Wheel lost contact at 23.8°
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 27.8°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 32.6°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No.: G130084
Test Date: 28 February, 2013
Test Specimen: TS57206 + LifeGuard
Front Load: 20kg
Rear Load: 25kg
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 29.0°

Wheel lost contact at 28.7°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130086
Test Date: 05 March, 2013
Test Specimen: TS57213
Front Load: N/A
Rear Load: N/A
Test Config.: Rearward Pitch
ATD: N/A

Wheel lost contact at 49.6°

Wheel lost contact at 47.0°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130087
Test Date : 05 March, 2013
Test Specimen : TS57213
Front Load : N/A
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : 95th
Wheel lost contact at 38.4°

Wheel lost contact at 37.1°
Wheel load vs tilt angle, forward pitch, left rear

Wheel lost contact at 47.6°

Wheel load vs tilt angle, forward pitch, right rear

Wheel lost contact at 47.3°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Wheel lost contact at 53.5°

Wheel lost contact at 54.3°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130093
Test Date: 05 March, 2013
Test Specimen: TS57201
Front Load: 36kg
Rear Load: 72kg
Test Config.: Rearward Pitch
ATD: 95th

Wheel lost contact at 37.9°

Wheel lost contact at 37.6°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130099
Test Date: 06 March, 2013
Test Specimen: TS57201
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: 95th
Wheel lost contact at 43.5°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130100
Test Date: 06 March, 2013
Test Specimen: TS57201
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: N/A

Wheel lost contact at 49.5°

Wheel lost contact at 48.7°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Wheel lost contact at 50.8°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130108
Test Date : 07 March, 2013
Test Specimen : TS57203
Front Load : 23kg
Rear Load : 47kg
Test Config. : Rearward Pitch
ATD : 95th Percentile Male

Wheel lost contact at 37.5°

Wheel lost contact at 35.1°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130110
Test Date : 07 March, 2013
Test Specimen : TS57203
Front Load : N/A
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : N/A

Wheel lost contact at 41.6°

Wheel lost contact at 39.0°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130119
Test Date : 11 March, 2013
Test Specimen : TS57200
Front Load : N/A
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : 95th

Wheel lost contact at 41.1°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Test No.: G130122  
Test Date: 11 March, 2013  
Test Specimen: TS57200  
Front Load: N/A  
Rear Load: 60kg  
Test Config.: Rearward Pitch  
ATD: 95th  
Wheel lost contact at 34.4°

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130122  
Test Date: 11 March, 2013  
Test Specimen: TS57200  
Front Load: N/A  
Rear Load: 60kg  
Test Config.: Rearward Pitch  
ATD: 95th  
Wheel lost contact at 34.3°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130134
Test Date: 12 March, 2013
Test Specimen: TS57206
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: N/A

Wheel lost contact at 48.3°

Wheel lost contact at 47.7°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130140
Test Date : 12 March, 2013
Test Specimen : TS57206
Front Load : 20kg
Rear Load : 40kg
Test Config : Rearward Pitch
ATD : 95th Percentile Male

Wheel lost contact at 39.5°

Wheel lost contact at 37.3°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130141
Test Date: 12 March, 2013
Test Specimen: TS57206
Front Load: 20kg
Rear Load: N/A
Test Config.: Rearward Pitch
ATD: 95th Percentile Male

Wheel lost contact at 43.6°

Wheel lost contact at 41.5°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130142
Test Date : 14 March, 2013
Test Specimen : TS57206
Front Load : N/A
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : 95th
Wheel lost contact at 42.8°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130149
Test Date: 14 March, 2013
Test Specimen: TS57199
Front Load: N/A
Rear Load: 30kg
Test Config.: Rearward Pitch
ATD: 95th

Wheel lost contact at 33.3°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130150
Test Date : 14 March, 2013
Test Specimen : TS57199
Front Load : 15kg
Rear Load : 30kg
Test Config. : Rearward Pitch
ATD : 95th

Wheel lost contact at 34.9°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130152
Test Date: 14 March, 2013
Test Specimen: TS57199
Front Load: N/A
Rear Load: N/A
Test Config.: Rearward Pitch
ATD: 95th
Wheel lost contact at 37.6°

Wheel lost contact at 37.9°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Wheel lost contact at 51.3°

Wheel lost contact at 51.5°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130157
Test Date : 15 March, 2013
Test Specimen : TS57205
Front Load : N/A
Rear Load : N/A
Test Config. : Forward Pitch
ATD : 95th

Wheel lost contact at 43.2°

Wheel lost contact at 41.6°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130158
Test Date: 15 March, 2013
Test Specimen: TS57205
Front Load: 20kg
Rear Load: N/A
Test Config.: Forward Pitch
ATD: 95th

Wheel lost contact at 40.3°

Wheel lost contact at 38.0°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130166
Test Date: 15 March, 2013
Test Specimen: TS57204
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: N/A

Wheel lost contact at 48.6°

Wheel lost contact at 47.0°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130167
Test Date : 15 March, 2013
Test Specimen : TS57204
Front Load : N/A
Rear Load : N/A
Test Config. : Forward Pitch
ATD : 95th

Wheel lost contact at 43.8°
Wheel load vs tilt angle, forward pitch, left rear

Wheel lost contact at 41.3°

Wheel load vs tilt angle, forward pitch, right rear

Wheel lost contact at 39.8°

Test No.: G130168
Test Date: 15 March, 2013
Test Specimen: TS57204
Front Load: 20kg
Rear Load: N/A
Test Config.: Forward Pitch
ATD: 95th
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130170
Test Date : 15 March, 2013
Test Specimen : TS57204
Front Load : N/A
Rear Load : 30kg
Test Config. : Forward Pitch
ATD : 95th

Wheel lost contact at 44.9°

Wheel lost contact at 43.3°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130171
Test Date: 15 March, 2013
Test Specimen: TS57204
Front Load: N/A
Rear Load: 30kg
Test Config.: Rearward Pitch
ATD: 95th

Wheel lost contact at 35.2°

Wheel lost contact at 33.7°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130173
Test Date : 15 March, 2013
Test Specimen : TS57204
Front Load : 20kg
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : 95th

Wheel lost contact at 39.6°

Wheel lost contact at 38.5°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130174
Test Date : 15 March, 2013
Test Specimen : TS57204
Front Load : N/A
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : 95th

Wheel lost contact at 38.3°

Wheel lost contact at 37.2°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130175
Test Date: 15 March, 2013
Test Specimen: TS57204
Front Load: N/A
Rear Load: N/A
Test Config: Rearward Pitch
ATD: N/A

Wheel lost contact at 50.8°

Wheel lost contact at 49.1°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130176
Test Date : 16 March, 2013
Test Specimen : TS57212
Front Load : N/A
Rear Load : N/A

Test Config. : Forward Pitch
ATD : N/A

Wheel lost contact at 52.0°

Wheel lost contact at 52.6°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130177
Test Date : 16 March, 2013
Test Specimen : TS57212
Front Load : N/A
Rear Load : N/A
Test Config. : Forward Pitch
ATD : 95th Percentile Male

Wheel lost contact at 43.6°

Wheel lost contact at 44.2°
Wheel load vs tilt angle, rearward pitch, right front

Wheel lost contact at 36.3°

Wheel load vs tilt angle, rearward pitch, left front

Wheel lost contact at 36.0°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel lost contact at 51.3°

Wheel load vs tilt angle, forward pitch, right rear

Wheel lost contact at 52.7°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130184
Test Date : 18 March, 2013
Test Specimen : TS57205 + QuadBar
Front Load : N/A
Rear Load : N/A
Test Config. : Forward Pitch
ATD : N/A

Wheel lost contact at 50.2°

Wheel lost contact at 48.8°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130188
Test Date: 18 March, 2013
Test Specimen: TS57205 + QuadBar
Front Load: N/A
Rear Load: 30kg
Test Config.: Forward Pitch
ATD: 95th

Wheel lost contact at 44.7°

Wheel lost contact at 43.8°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130191
Test Date: 18 March, 2013
Test Specimen: TS57205 + QuadBar
Front Load: 20kg
Rear Load: N/A
Test Config.: Rearward Pitch
ATD: 95th

Wheel lost contact at 38.4°

Wheel lost contact at 36.7°
Test No. : G130192
Test Date : 18 March, 2013
Test Specimen : TS57205 + QuadBar
Front Load : N/A
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : 95th

Wheel lost contact at 36.8°

Wheel load vs tilt angle, rearward pitch, right front

Wheel lost contact at 35.5°

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130195
Test Date: 22 March, 2013
Test Specimen: TS57205 + LifeGuard
Front Load: 20kg
Rear Load: N/A
Test Config.: Forward Pitch
ATD: 95th

Wheel lost contact at 40.7°

Wheel lost contact at 38.7°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130198
Test Date: 22 March, 2013
Test Specimen: TS57205 + LifeGuard
Front Load: N/A
Rear Load: 15kg
Test Config.: Rearward Pitch
ATD: 95th

Wheel lost contact at 33.9°

Wheel lost contact at 32.5°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130200
Test Date: 22 March, 2013
Test Specimen: TS57205 + LifeGuard
Front Load: 20kg
Rear Load: N/A
Test Config.: Rearward Pitch
ATD: 95th

Wheel lost contact at 37.3°

Wheel lost contact at 35.8°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Wheel lost contact at 35.8°

Wheel lost contact at 34.1°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130206
Test Date : 22 March, 2013
Test Specimen : TS57205 + QuickFix
Front Load : 6kg
Rear Load : N/A
Test Config. : Forward Pitch
ATD : 95th

Wheel lost contact at 38.8°

Wheel lost contact at 37.0°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130208
Test Date: 25 March, 2013
Test Specimen: TS57205+QuickFix
Front Load: N/A
Rear Load: 14kg
Test Config.: Forward Pitch
ATD: 95th

Wheel lost contact at 40.1°

Wheel lost contact at 38.1°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130215
Test Date: 25 March, 2013
Test Specimen: TS57206 + QuadBar
Front Load: N/A
Rear Load: N/A
Test Config: Forward Pitch
ATD: 95th

Wheel lost contact at 45.0°

Wheel lost contact at 44.6°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130216
Test Date : 25 March, 2013
Test Specimen : TS57206 + QuadBar
Front Load : 20kg
Rear Load : N/A
Test Config. : Forward Pitch
ATD : 95th

Wheel lost contact at 43.0°

Wheel lost contact at 42.5°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130219
Test Date : 25 March, 2013
Test Specimen : TS57206 + Quadbar
Front Load : N/A
Rear Load : 40kg
Test Config. : Rearward Pitch
ATD : 95th

Wheel lost contact at 37.8°

Wheel lost contact at 37.4°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130220
Test Date : 25 March, 2013
Test Specimen : TS57206+ QuadBar
Front Load : 20kg
Rear Load : 40kg
Test Config. : Rearward Pitch
ATD : 95th

Wheel lost contact at 38.8°

Wheel lost contact at 38.3°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130226
Test Date: 26 March, 2013
Test Specimen: TS57206 + LifeGuard
Front Load: N/A
Rear Load: 25kg
Test Config.: Rearward Pitch
ATD: 95th

Wheel lost contact at 38.3°

Wheel lost contact at 37.4°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130228
Test Date : 26 March, 2013
Test Specimen : TS57206 + QuickFix
Front Load : N/A
Rear Load : 24kg
Test Config. : Rearward Pitch
ATD : 95th Percentile Male

Wheel lost contact at 37.7°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel lost contact at 42.1°

Wheel load vs tilt angle, forward pitch, right rear

Wheel lost contact at 41.1°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130234
Test Date: 26 March, 2013
Test Specimen: TS57206 + QuickFix
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: 95th

Wheel lost contact at 42.5°

Wheel lost contact at 41.5°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel lost contact at 48.0°

Wheel load vs tilt angle, forward pitch, left rear

Wheel lost contact at 47.3°

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130242
Test Date : 27 March, 2013
Test Specimen : TS57206 + LifeGuard
Front Load : N/A
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : N/A

Wheel lost contact at 48.2°

Wheel lost contact at 47.3°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130243
Test Date : 27 March, 2013
Test Specimen : TS57206 + QuadBar
Front Load : N/A
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : N/A

Wheel lost contact at 49.7°

Wheel lost contact at 49.3°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130246
Test Date : 27 March, 2013
Test Specimen : TS57199 + LifeGuard
Front Load : N/A
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : N/A

Wheel lost contact at 45.4°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130247
Test Date: 27 March, 2013
Test Specimen: TS57199 + LifeGuard
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: N/A

Wheel lost contact at 49.6°

Wheel lost contact at 51.8°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130249
Test Date: 27 March, 2013
Test Specimen: TS57199 + QuadBar
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: N/A

Wheel lost contact at 53.7°

Wheel lost contact at 51.1°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130250
Test Date: 28 March, 2013
Test Specimen: TS57199 + QuadBar
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: 95th

Wheel lost contact at 45.5°

Wheel lost contact at 46.3°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130253
Test Date : 28 March, 2013
Test Specimen : TS57199 + QuadBar
Front Load : 15kg
Rear Load : N/A
Test Config. : Forward Pitch
ATD : 95th Percentile Male

Wheel lost contact at 43.6°

Wheel lost contact at 43.4°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130257
Test Date: 28 March, 2013
Test Specimen: TS57199 + Lifeguard
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: 95th Percentile Male

Wheel lost contact at 45.1°

Wheel lost contact at 44.9°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130260
Test Date: 28 March, 2013
Test Specimen: TS57199 + QuickFix
Front Load: 1kg
Rear Load: 14kg
Test Config.: Forward Pitch
ATD: 95th Percentile Male

Wheel lost contact at 42.1°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130262
Test Date : 28 March, 2013
Test Specimen : TS57199 + QuickFix
Front Load : N/A
Rear Load : 14kg

Test Config. : Rearward Pitch
ATD : 95th Percentile Male

Wheel lost contact at 32.7°

Wheel lost contact at 33.1°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130265
Test Date: 28 March, 2013
Test Specimen: TS57199 + QuickFix
Front Load: N/A
Rear Load: N/A
Test Config.: Rearward Pitch
ATD: 95th Percentile Male

Wheel lost contact at 34.7°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130266  
Test Date : 28 March, 2013  
Test Specimen : TS57199 + LifeGuard  
Front Load : N/A  
Rear Load : N/A  
Test Config. : Rearward Pitch  
ATD : 95th Percentile Male  
Wheel lost contact at 35.0°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130269
Test Date: 28 March, 2013
Test Specimen: TS57199 + LifeGuard
Front Load: N/A
Rear Load: 15kg
Test Config.: Rearward Pitch
ATD: 95th Percentile Male

Wheel lost contact at 32.8°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130270
Test Date: 28 March, 2013
Test Specimen: TS57199 + QuadBar
Front Load: N/A
Rear Load: N/A
Test Config.: Rearward Pitch
ATD: 95th Percentile Male

Wheel lost contact at 35.7°

Wheel lost contact at 36.0°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130271
Test Date : 28 March, 2013
Test Specimen : TS57199 + QuadBar
Front Load : 15kg
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : 95th Percentile Male

Wheel lost contact at 37.3°
Wheel load vs tilt angle, rearward pitch, right front:

Wheel load vs tilt angle, rearward pitch, left front:

Test No.: G130272
Test Date: 28 March, 2013
Test Specimen: TS57199 + QuadBar
Front Load: 15kg
Rear Load: 30kg
Test Config.: Rearward Pitch
ATD: 95th Percentile Male

Wheel lost contact at 33.2°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130277
Test Date : 02 April, 2013
Test Specimen : TS57203
Front Load : 30kg
Rear Load : N/A
Test Config. : Forward Pitch
ATD : 95th

Wheel lost contact at 41.4°

Wheel lost contact at 39.7°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Test No.: G130279  
Test Date: 02 April, 2013  
Test Specimen: TS57201  
Front Load: N/A  
Rear Load: 80kg  
Test Config.: Rearward Pitch  
ATD: 95th

Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130283
Test Date : 02 April, 2013
Test Specimen : TS57202
Front Load : N/A
Rear Load : 82kg
Test Config. : Forward Pitch
ATD : 95th

Wheel lost contact at 47.2°

Wheel lost contact at 47.8°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, roll, left front

Wheel lost contact at 28.2°

Wheel load vs tilt angle, roll, left rear

Wheel lost contact at 24.4°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130288
Test Date: 09 April, 2013
Test Specimen: TS57203
Front Load: 30kg
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 27.9°

Wheel lost contact at 22.6°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Test No.: G130289
Test Date: 09 April, 2013
Test Specimen: TS57203
Front Load: N/A
Rear Load: 60kg
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 29.2°

Wheel lost contact at 26.1°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 19.9°

Wheel lost contact at 24.5°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130291
Test Date : 09 April, 2013
Test Specimen : TS57201
Front Load : N/A
Rear Load : 80kg
Test Config. : Roll Propensity
ATD : 95th

Wheel lost contact at 27.1°

Wheel lost contact at 27.3°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No. : G130293
Test Date : 09 April, 2013
Test Specimen : TS57205 + QuickFix
Front Load : N/A
Rear Load : N/A
Test Config. : Roll Propensity
ATD : 95th Percentile Male

Wheel lost contact at 18.4°

Wheel lost contact at 20.5°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No.: G130294
Test Date: 09 April, 2013
Test Specimen: TS57205 + QuickFix
Front Load: 6kg
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 17.4°

Wheel lost contact at 19.8°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Test No.: G130298  
Test Date: 11 April, 2013  
Test Specimen: TS57199 + QuickFix  
Front Load: N/A  
Rear Load: N/A  
Test Config.: Roll Propensity  
ATD: 95th  

Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, left front

Wheel lost contact at 23.7°

Wheel load vs tilt angle, roll, left rear

Wheel lost contact at 20.4°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear

Wheel lost contact at 23.7°

Wheel lost contact at 21.1°
Wheel load vs tilt angle, roll, left front

Wheel load vs tilt angle, roll, left rear
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No.: G130303
Test Date: 11 April, 2013
Test Specimen: TS57206 + QuickFix
Front Load: N/A
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 27.7°

Wheel lost contact at 28.6°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 34.4°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 40.3°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 32.4°

Wheel lost contact at 35.7°
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 33.4°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 33.1°
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 44.7°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 45.0°
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 39.4°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 39.8°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No.: G130316
Test Date: 15 April, 2013
Test Specimen: TS57209
Front Load: N/A
Rear Load: N/A
Test Config.: Roll Propensity
ATD: N/A

Wheel lost contact at 43.3°

Wheel lost contact at 40.7°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No.: G130317
Test Date: 15 April, 2013
Test Specimen: TS57209
Front Load: N/A
Rear Load: N/A
Test Config.: Roll Propensity
ATD: 95th

Wheel lost contact at 39.4°

Wheel lost contact at 37.2°
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 32.5°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 25.4°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130319
Test Date: 18 April, 2013
Test Specimen: TS57209
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: N/A

Wheel lost contact at 61.9°

Wheel lost contact at 62.1°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No. : G130321
Test Date : 19 April, 2013
Test Specimen : TS57209
Front Load : N/A
Rear Load : 454kg
Test Config. : Forward Pitch
ATD : 95th

Wheel lost contact at 61.6°

Wheel lost contact at 62.8°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130322
Test Date: 19 April, 2013
Test Specimen: TS57209
Front Load: N/A
Rear Load: N/A
Test Config.: Rearward Pitch
ATD: 95th

Wheel lost contact at 50.5°

Wheel lost contact at 56.2°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130326
Test Date: 19 April, 2013
Test Specimen: TS57210
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: 95th Percentile Male

Wheel lost contact at 62.0°

Wheel lost contact at 61.5°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Wheel lost contact at 62.1°

Wheel lost contact at 58.9°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130334
Test Date : 23 April, 2013
Test Specimen : TS57207
Front Load : N/A
Rear Load : 181kg
Test Config. : Rearward Pitch
ATD : 95th

Wheel lost contact at 45.4°

Wheel lost contact at 43.8°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130335
Test Date: 23 April, 2013
Test Specimen: TS57207
Front Load: N/A
Rear Load: N/A
Test Config.: Rearward Pitch
ATD: 95th

Wheel lost contact at 53.2°

Wheel lost contact at 52.2°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No. : G130336
Test Date : 23 April, 2013
Test Specimen : TS57207
Front Load : N/A
Rear Load : N/A
Test Config. : Rearward Pitch
ATD : N/A

Wheel lost contact at 55.4°

Wheel lost contact at 48.3°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear

Test No.: G130338
Test Date: 23 April, 2013
Test Specimen: TS57208
Front Load: N/A
Rear Load: N/A
Test Config.: Forward Pitch
ATD: 95th

Wheel lost contact at 60.7°

Wheel lost contact at 61.0°
Wheel load vs tilt angle, forward pitch, left rear

Wheel lost contact at 61.1°

Wheel load vs tilt angle, forward pitch, right rear

Wheel lost contact at 56.6°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel lost contact at 44.5°

Wheel load vs tilt angle, rearward pitch, left front

Wheel lost contact at 49.9°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Wheel lost contact at 46.1°

Wheel lost contact at 52.1°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, forward pitch, left rear

Wheel lost contact at 58.1°

Wheel load vs tilt angle, forward pitch, right rear

Wheel lost contact at 61.2°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Test No.: G130346
Test Date: 02 May, 2013
Test Specimen: TS57620
Front Load: N/A
Rear Load: 200kg
Test Config.: Rearward Pitch
ATD: 95th Percentile Male

Wheel lost contact at 37.5°

Wheel lost contact at 34.1°
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front
Wheel load vs tilt angle, rearward pitch, right front

Wheel load vs tilt angle, rearward pitch, left front

Wheel lost contact at 47.1°

Wheel lost contact at 42.3°
Wheel load vs tilt angle, forward pitch, left rear

Wheel load vs tilt angle, forward pitch, right rear
Wheel load vs tilt angle, roll, right rear

Wheel lost contact at 40.8°

Wheel load vs tilt angle, roll, right front

Wheel lost contact at 45.3°
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front
Wheel load vs tilt angle, roll, right rear

Wheel load vs tilt angle, roll, right front

Test No.: G130352
Test Date: 02 May, 2013
Test Specimen: TS57620
Front Load: N/A
Rear Load: 200kg
Test Config.: Roll Propensity
ATD: 95th Percentile Male

Wheel lost contact at 35.8°

Wheel lost contact at 39.8°