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Hypothesis:

2011 Suzuki Kizashi GTS vs. 2011 Audi A4 Sport Front Trak* and 2011 Mercedes Benz C300 Sport in overall road holding ability.

Method:

Perform a 200 foot skid pad test with all three vehicles measuring their maximum Lateral G-Force in both clockwise and counter clockwise directions.

Conclusion:

2011 Suzuki Kizashi GTS	.94g
2011 Audi A4 Front Trak	.92g
2011 Mercedes Benz C300 Sport	.87g

* Audi A4 tested with optional Sport Package wheels and tires P245/45/18



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Hypothesis:

2011 Suzuki Kizashi GTS vs. 2011 Audi A4 Sport Front Trak* and 2010 Acura TSX in overall braking road handling and maneuverability in a spirited driving manner.

Method:

Perform a 600 foot slalom test measuring both time to distance as well as average speed through the course.

Conclusion:

2011 Suzuki Kizashi GTS

time of 6.97 sec / speed of 58.6 mph

2011 Audi A4 Front Trak

time of 6.83 sec / speed of 59.9 mph

2010 Acura TSX

time of 7.45 sec / speed of 54.9 mph



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Hypothesis:

2011 Suzuki Kizashi GTS vs. 2011 Audi A4 Sport Front Trak* and 2010 Acura TSX in overall braking ability and safety confidence.

Method:

Perform multiple passes using radar to confirm speed combined with an in-car braking meter to measure overall distance in feet. Runs are then averaged.

Conclusion:

2011 Suzuki Kizashi GTS	114 ft.
2011 Audi A4 Front Trak	119 ft.
2010 Acura TSX	124 ft.



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Hypothesis:

2011 Suzuki Kizashi GTS vs. 2011 Audi A4, 2011 Mercedes Benz C300, 2010 Acura TSX

Method:

Perform multiple passes using dual db meters to record interior sound noise while performing the following tests: Idle, Full Throttle Acceleration, Cruising 60 MPH and 20 MPH Rough Road Simulation. All 4 categories are then averaged for a final score.

Conclusion:

2011 Suzuki Kizashi GTS	69.25 db
2011 Audi A4	71.75 db
2011 Mercedes Benz C300	71.25 db
2010 Acura TSX	71.25 db



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Hypothesis:

2011 Suzuki Kizashi Sport GTS AWD vs. 2011 Audi A4 Quattro Sport 2.0T*, 2011 Subaru Legacy Limited AWD, 2011 Honda Accord LX*, 2011 Hyundai Sonata GLS* and 2011 BMW 328I Sedan*. Which vehicle will out perform on a 480 ft slalom course with packed snow conditions at KRC Winter Proving Grounds in Calumet, MI.

Method:

Perform multiple passes through 6 gates at 80 feet each on groomed packed snow. Grooming was necessary after a few runs to insure fairness for each vehicle. Vehicle where timed in and out and time and speed were averaged.

Conclusion:

2011 Suzuki Kizashi GTS	09.76 sec / 33.53 mph
2011 Honda Accord LX	10.48 sec / 31.23 mph
2011 Subaru Legacy	10.51 sec / 31.14 mph
2011 Hyundai Sonata	10.93 sec / 29.94 mph
2011 BMW 328I	11.35 sec / 28.83 mph
2011 Audi A4 2.0T Quattro	12.64 sec / 25.89 mph

*Audi A4 2.0T Quattro Sport tested is only available with P245/40R18 non M+S Tires,

*Honda Accord and Hyundai Sonata were tested with FWD only as AWD is not offered on these vehicle.

* BMW 328I was tested in RWD as they do not offer a AWD system.



230 ft Accident Avoidance

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Hypothesis:

2011 Suzuki Kizashi Sport GTS AWD vs. 2011 Audi A4 Quattro Sport 2.0T*, 2011 Subaru Legacy Limited AWD, 2011 Honda Accord LX*, 2011 Hyundai Sonata GLS* and 2011 BMW 328I Sedan*. Which vehicle will out perform on a 230 ft Accident Avoidance course with packed snow conditions at KRC Winter Proving Grounds in Calumet, MI.

Method:

Perform multiple passes through 50 ft straight into a 40 gate to the left 50 ft straight into a 40 ft to the right gate followed by a 50 ft exit straight for a total of 230 ft.. Grooming was necessary after a few runs to insure fairness for each vehicle. Vehicle where timed in and out and time and speed were averaged.

Conclusion:

2011 Suzuki Kizashi GTS	4.26 sec / 36.81 mph
2011 Subaru Legacy	4.60 sec / 34.09 mph
2011 Hyundai Sonata	5.49 sec / 28.56 mph
2011 Honda Accord LX	5.89 sec / 26.62 mph
2011 BMW 328I	6.10 sec / 28.83 mph
2011 Audi A4 2.0T Quattro	6.70 sec / 23.40 mph

* Audi A4 2.0T Quattro Sport tested is only available with P245/40R18 non M+S Tires

*Honda Accord and Hyundai Sonata were tested with FWD only as AWD is not offered on these vehicle.

* BMW 328I was tested in RWD as they do not offer a AWD system



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Hypothesis:

2011 Suzuki Kizashi Sport GTS AWD vs. 2011 Audi A4 Quattro Sport 2.0T*, 2011 Subaru Legacy Limited AWD, 2011 Honda Accord LX*, 2011 Hyundai Sonata GLS* and 2011 BMW 328I Sedan*. Which vehicle will out perform with a 45 mph to 0 mph braking with packed snow conditions at KRC Winter Proving Grounds in Calumet, MI.

Method:

Perform multiple passes from 45 mph to 0mph monitored by a radar gun and in car braking modules. Grooming was necessary after a few runs to insure fairness for each vehicle. .

Conclusion:

2011 Suzuki Kizashi GTS	177 ft / .35 g's
2011 Honda Accord LX	188 ft / .30 g's
2011 BMW 328I	193 ft / .37 g's
2011 Hyundai Sonata	211 ft / .33 g's
2011 Subaru Legacy	213 ft / .29 g's
2011 Audi A4 2.0T Quattro	304 ft / .24 g's

* Audi A4 2.0T Quattro Sport tested is only available with P245/40R18 non M+S Tires

*Honda Accord and Hyundai Sonata were tested with FWD only as AWD is not offered on these vehicle.

* BMW 328I was tested in RWD as they do not offer a AWD system



300 ft
Skid Pad

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Hypothesis:

2011 Suzuki Kizashi Sport GTS AWD vs. 2011 Audi A4 Quattro Sport 2.0T*, 2011 Subaru Legacy Limited AWD, 2011 Honda Accord LX*, 2011 Hyundai Sonata GLS* and 2011 BMW 328I Sedan*. Which vehicle has the best road holding with packed snow conditions at KRC Winter Proving Grounds in Calumet, MI.

Method:

Perform multiple passes both clockwise and counter clockwise around a 300 ft Lateral G course and averaging each run.. Monitored by in car monitoring system. Grooming was necessary after a few runs to insure fairness for each vehicle. .

Conclusion:

2011 Suzuki Kizashi GTS	.43 g's
2011 Honda Accord LX	.41 g's
2011 Hyundai Sonata	.40 g's
2011 Subaru Legacy	.39 g's
2011 BMW 328I	.33 g's
2011 Audi A4 2.0T Quattro	.27 g's

* Audi A4 2.0T Quattro Sport tested is only available with P245/40R18 non M+S Tires

*Honda Accord and Hyundai Sonata were tested with FWD only as AWD is not offered on these vehicle.

* BMW 328I was tested in RWD as they do not offer a AWD system

