

480 ft slalom

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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.



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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



45 to 0
Braking

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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



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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



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