

**ASTON MARTIN VANQUISH
2 DOOR COUPE**

Model Year - 2001

Data Sheet No 02/03

Full Scale Wind Tunnel Test Details

Test Configuration 2-UP + FULL FUEL TANK, COOLING INTAKES OPEN

Drag Coefficient	C_D	----
Front Axle Lift Coefficient	C_{LF}	----
Rear Axle Lift Coefficient	C_{LR}	----
Projected Frontal Area	$A \text{ (m}^2\text{)}$	----



Vehicle Details

Overall Length	----	mm	Wheelbase	----	mm
Overall Height	----	mm	Width incl. mirrors	----	mm
Track - Front	----	mm	Trim Height (2-UP) - F	----	mm
Track - Rear	----	mm	Trim Height (2-UP) - R	----	mm
Axle Loads (2-UP) - F	----	kg	(Ground to top of wheelarches)		
Axle Loads (2-UP) - R	----	kg			

A list of other vehicles in the survey series is available on request.
For details of costs for this service, please contact the Fluids Group at
HORIBA MIRA.

Tel No: +44 (0)24 7635 5414 Website: <http://www.horiba-mira.com/enquiries>

HORIBA MIRA SURVEY OF VEHICLE AERODYNAMIC CHARACTERISTICS

Data Sheet No. 02/03 **Vehicle** ASTON MARTIN VANQUISH
2 DOOR COUPE

Tyres YOKOHAMA AVS SPORT FRONT 255/40 ZR19, REAR 285/30 ZR19

Manufacturer's Principal Dimensions

Overall Length	----	mm	----	ft	Wheelbase	----	mm	----	ft	
Overall Width	----	mm	----	ft	Track, Front	----	mm	----	ft	
Overall Height	----	mm	----	ft	Track, Rear	----	mm	----	ft	
Frontal Area	----	sqm	----	sqft						
Trim Heights (2-UP)	Front	----	mm	----	ft	Rear	----	mm	----	ft
Axle Loads (2-UP)	Front	----	kg	----	lb	Rear	----	kg	----	lb

Test Data and Aerodynamic Coefficients

Wind Speed	Yaw Angle	Force Coefficients	Moment Coefficients	Axle Load Coefficients	Center of Pressure
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Configuration 1, 2 UP + FULL FUEL TANK, COOLING SYSTEM INTAKE OPEN,

m/s	deg	CD	CY	CL	CMX	CMY	CMZ	CYF	CYR	CLF	CLR	XCP
27.2	-30	----	----	----	----	----	----	----	----	----	----	----
27.4	-25	----	----	----	----	----	----	----	----	----	----	----
27.7	-20	----	----	----	----	----	----	----	----	----	----	----
27.9	-15	----	----	----	----	----	----	----	----	----	----	----
28.1	-10	----	----	----	----	----	----	----	----	----	----	----
28.2	-5	----	----	----	----	----	----	----	----	----	----	----
28.2	0	----	----	----	----	----	----	----	----	----	----	----
28.2	0	----	----	----	----	----	----	----	----	----	----	----
28.3	5	----	----	----	----	----	----	----	----	----	----	----
28.3	10	----	----	----	----	----	----	----	----	----	----	----
28.2	15	----	----	----	----	----	----	----	----	----	----	----
28.3	20	----	----	----	----	----	----	----	----	----	----	----
28.3	25	----	----	----	----	----	----	----	----	----	----	----
28.2	30	----	----	----	----	----	----	----	----	----	----	----

Configuration 2, 2 UP + FULL FUEL TANK, COOLING INTAKES CLOSED

m/s	deg	CD	CY	CL	CMX	CMY	CMZ	CYF	CYR	CLF	CLR	XCP
28.3	-30	----	----	----	----	----	----	----	----	----	----	----
27.3	-20	----	----	----	----	----	----	----	----	----	----	----
27.5	-10	----	----	----	----	----	----	----	----	----	----	----
28.2	0	----	----	----	----	----	----	----	----	----	----	----
28.1	10	----	----	----	----	----	----	----	----	----	----	----
28.1	20	----	----	----	----	----	----	----	----	----	----	----
27.8	30	----	----	----	----	----	----	----	----	----	----	----

Configuration 3, 3 UP + FULL FUEL TANK, COOLING INTAKES OPEN (EADE CONFIGURATION)

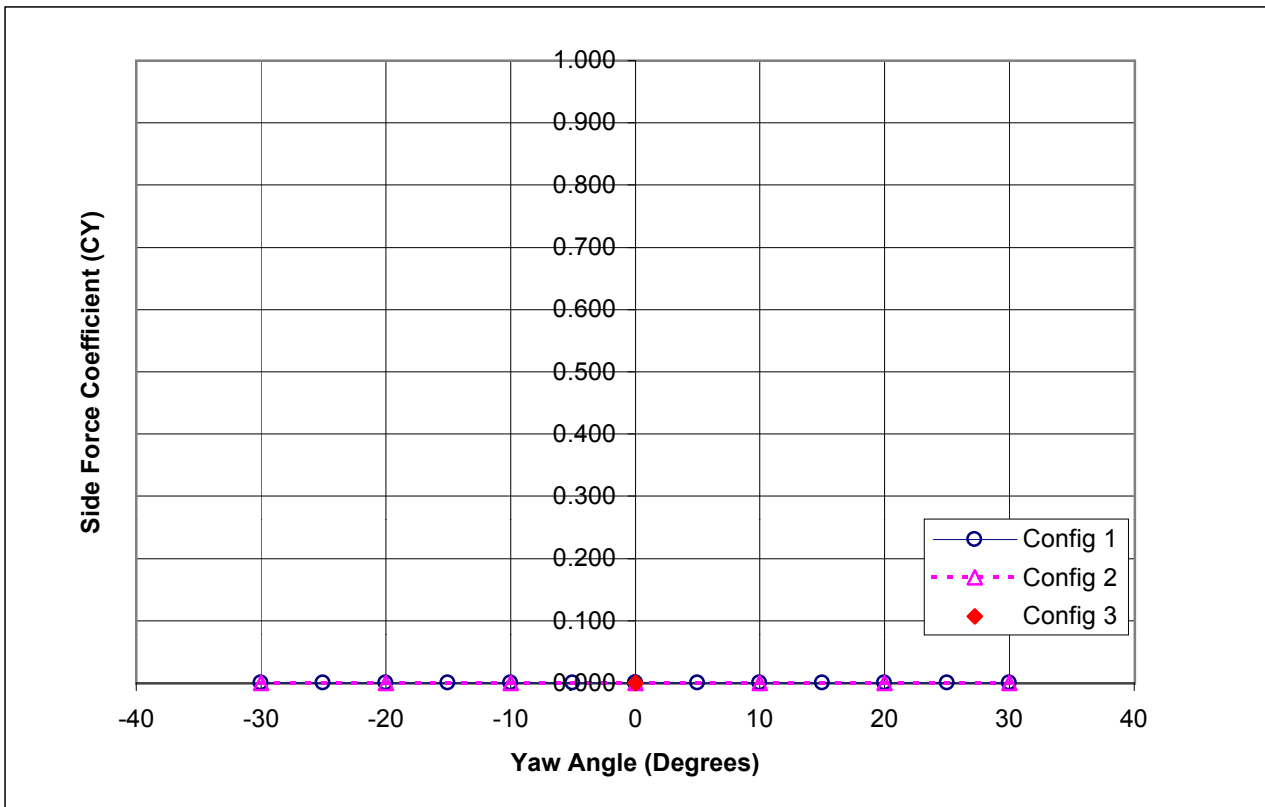
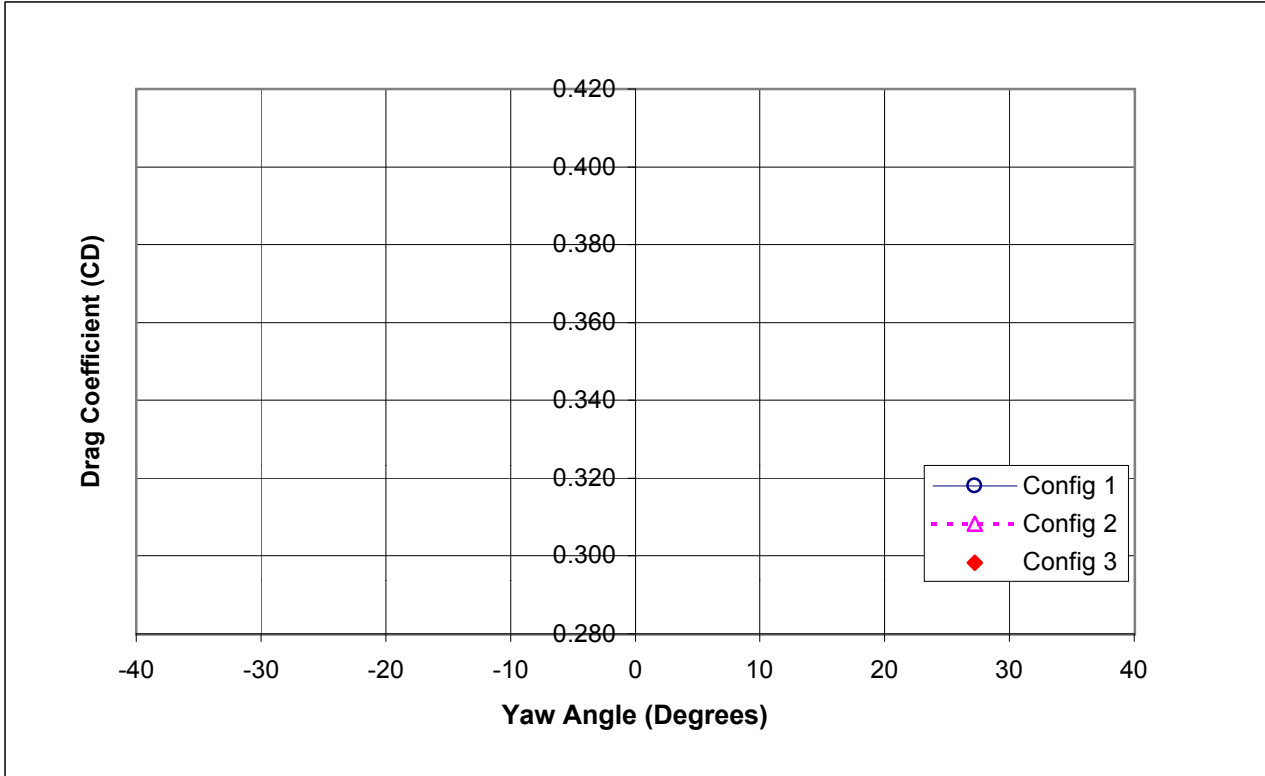
m/s	deg	CD	CY	CL	CMX	CMY	CMZ	CYF	CYR	CLF	CLR	XCP
28.3	0	----	----	----	----	----	----	----	----	----	----	----
28.4	0	----	----	----	----	----	----	----	----	----	----	----

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Vehicle

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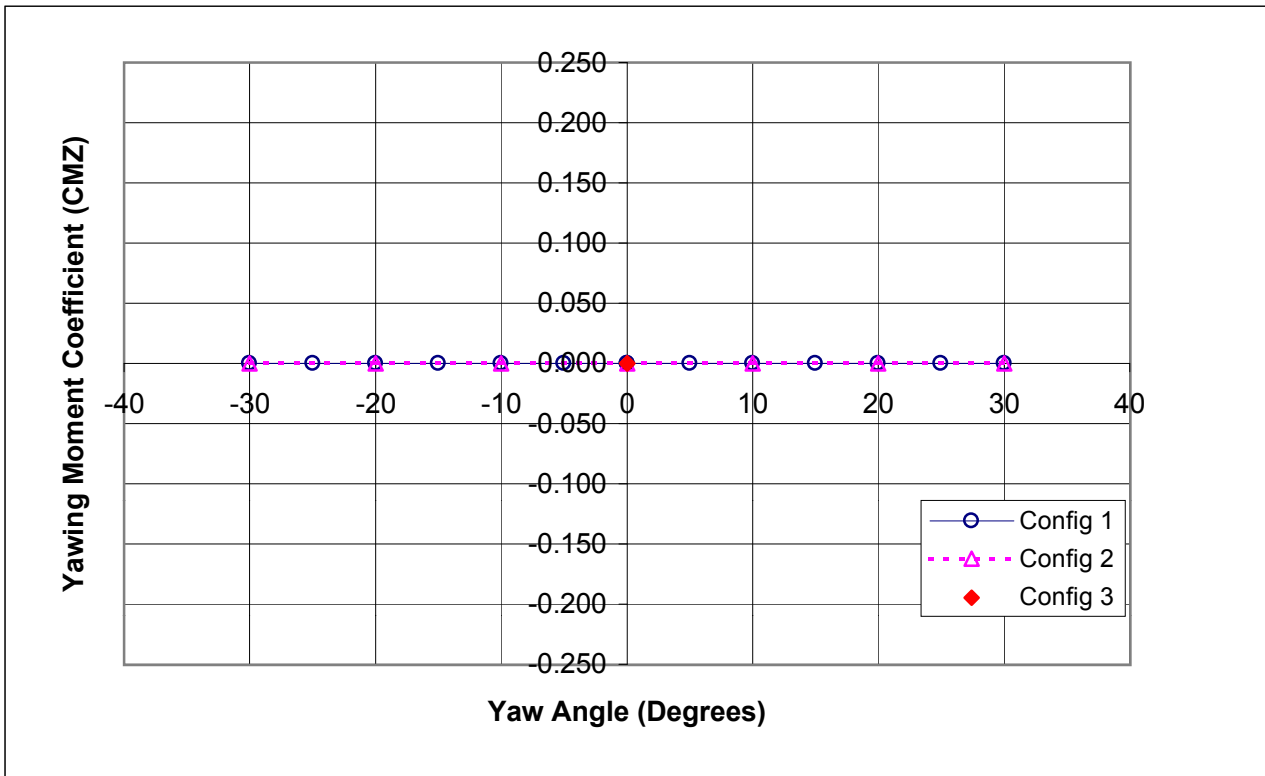
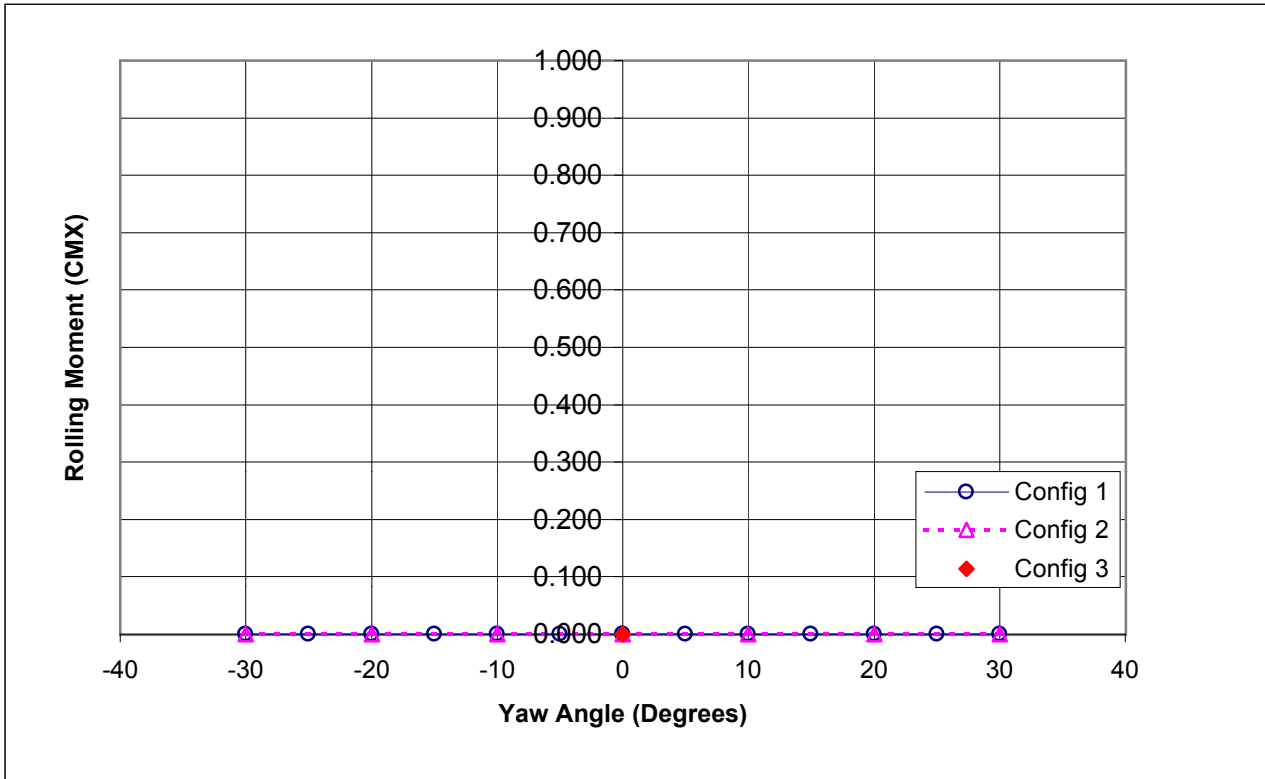


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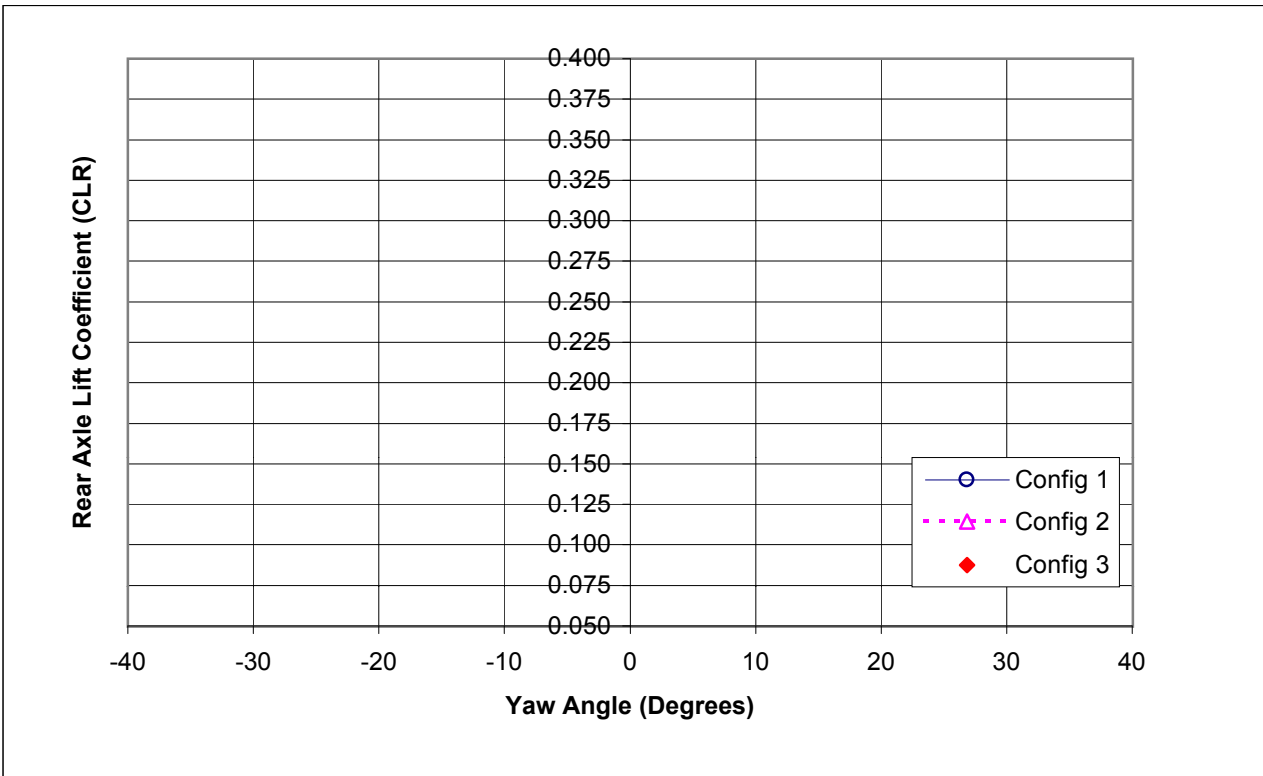
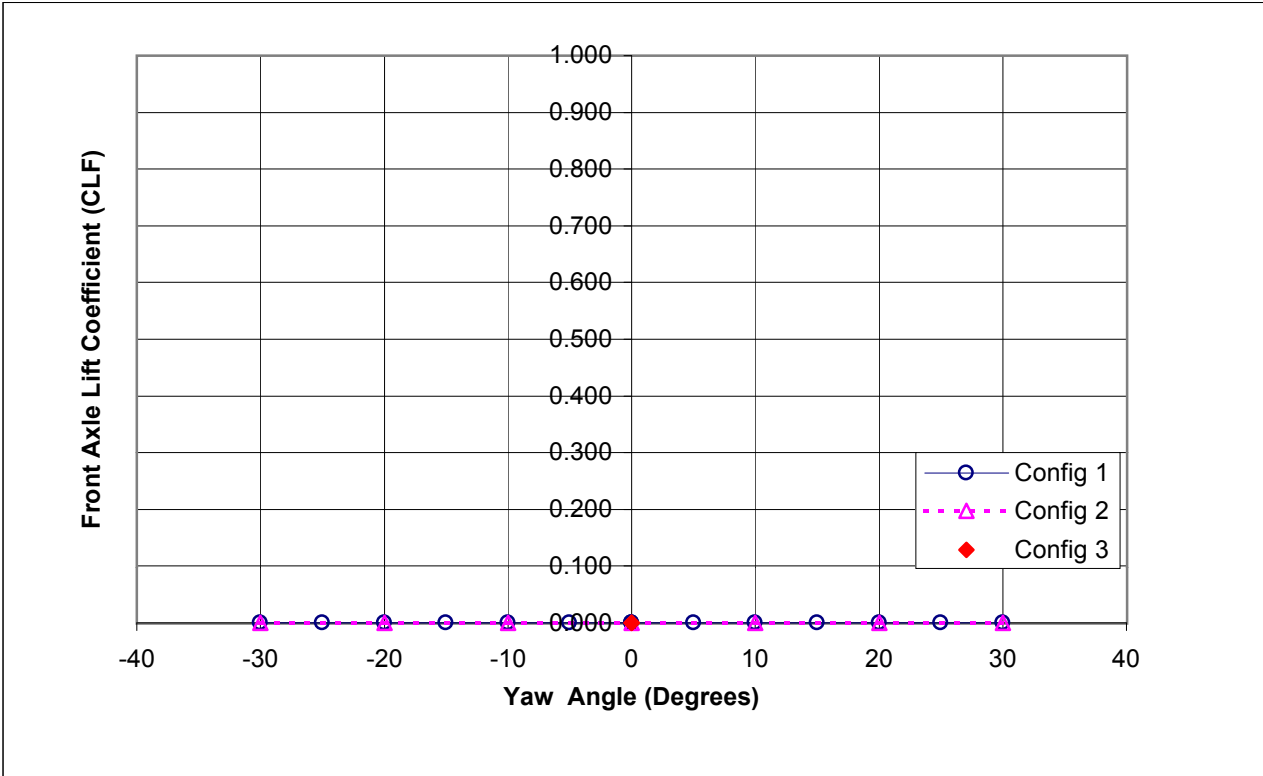


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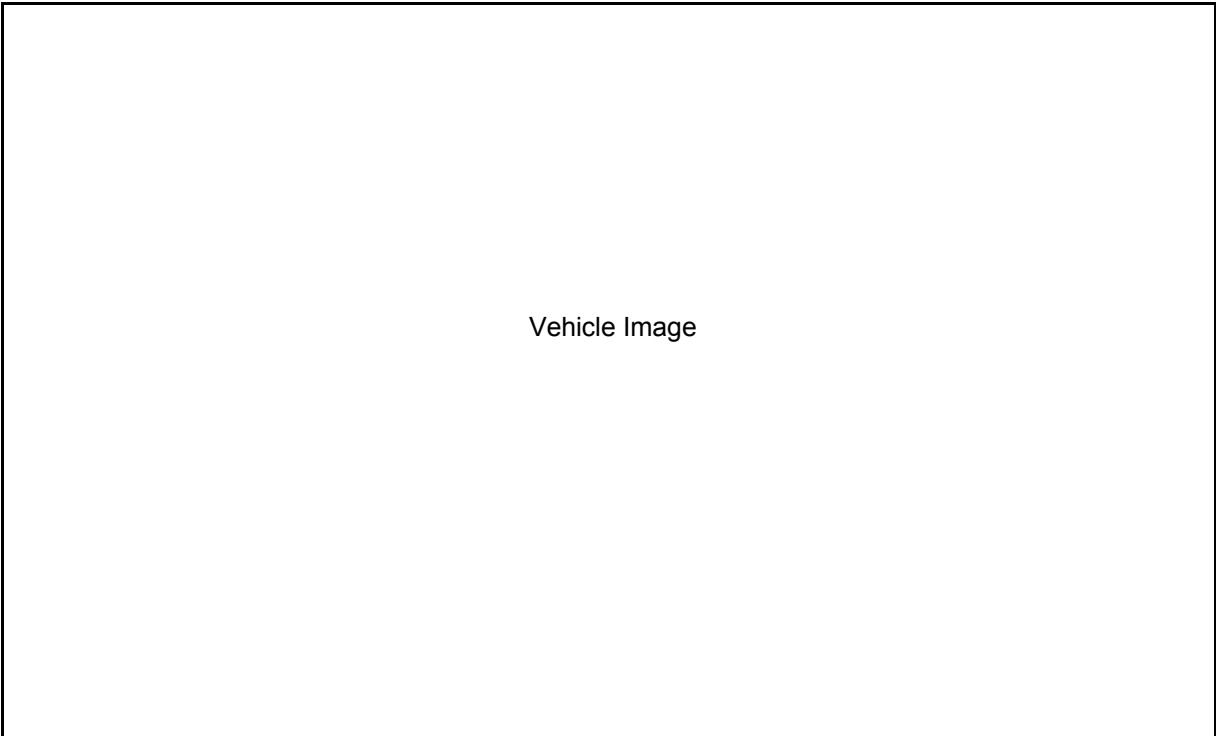
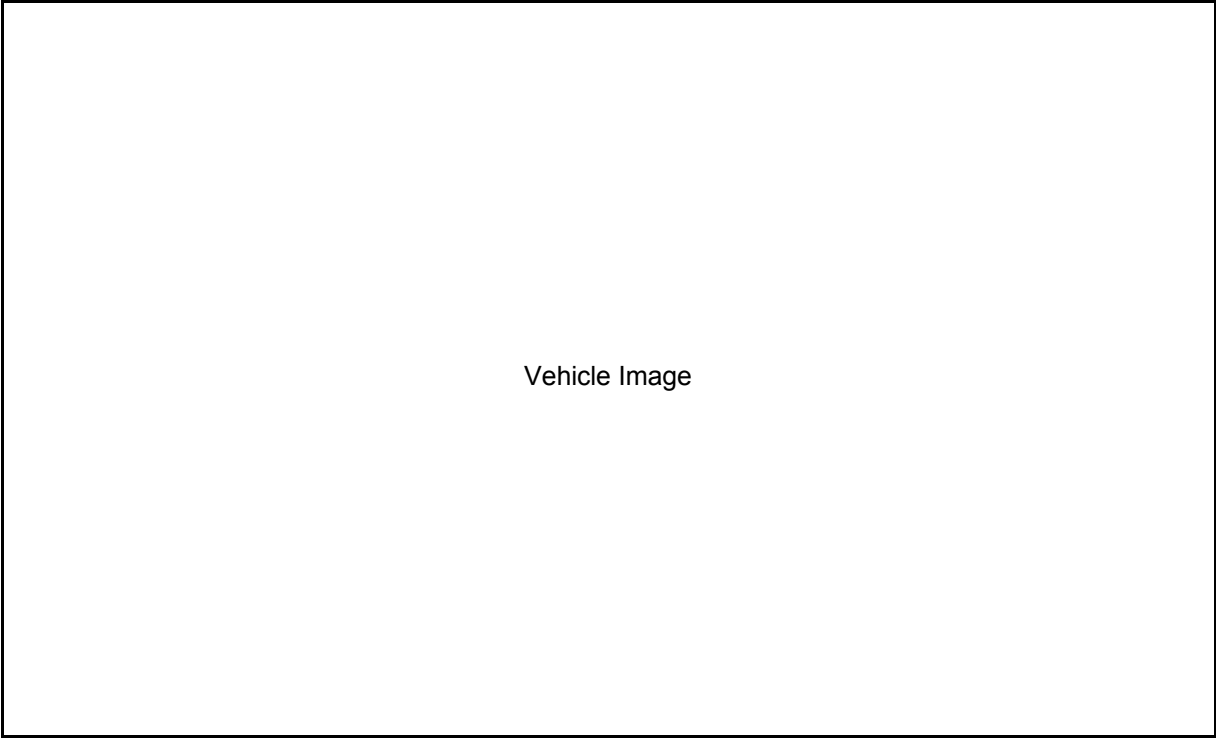
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