

AUBURN FIRE DEPARTMENT

Office of Fire Prevention



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Minimum fire department requirements that need to be taken into consideration before plans are submitted to the city of Auburn for review by the fire department. This includes, but is not limited to:

- Fire department access
- Turning radius
- Fire lanes
- Grade of roads
- Hydrant locations
- Fire flow requirements for structure
- Fire department connections (4" storz) for the sprinkler system. (If applicable)
- Appropriate means of egress
- Fire and life safety plans included with the blueprints. This should include (if applicable) fire extinguisher locations, fire alarm system, knox box location.

All life safety features will meet Maine State Statute, local ordinances, and the National Fire Protection Association (NFPA) codes and standards adopted by the state and municipality.

Sincerely,

David N. O'Connell
Fire Prevention Officer



SAE Turning Radius Calculations for Order No. 137716

Wheelbase:	204"	Front Bumper Size:	10"
Body Width:	100"	Front Bumper Extension:	20"
Front Axle Kingpin Center:	68.83"	Front Wheel Type:	ALUMINUM
Front Axle Track:	81.47"	Rear Wheel Type:	ALUMINUM
Front Axle Tire Width:	16.2"	Tire Brand:	MICHELIN
Dimension Over Rear Tires:	97.71"		
Body Front Overhang:	92"		
Inside Cramp Angle	S. A. E. Turning Radius	Tire Curb Clearance	Bumper Swing Clearance
38	32.9'	33.5'	37.9'
39	32.2'	32.9'	37.3'
40	31.6'	32.3'	36.8'
41	31'	31.7'	36.3'
42	30.4'	31.1'	35.8'
43	29.9'	30.6'	35.3'
44	29.4'	30.1'	34.9'
45	28.9'	29.6'	34.4'
			Minimum Inside Radius
			20.6'
			19.8'
			19.1'
			18.4'
			17.7'
			17'
			16.4'
			15.8'
Nominal Cramp Angles:			
Leaf spring suspension: up to and including 425/65R22.5 tires			45 degrees
Leaf spring suspension: 445/65R22.5 tires			38 degrees
Independent Front Suspension (IFS): up to and including 425/65R22.5 tires			44 degrees
Independent Front Suspension (IFS): 445/65R22.5 tires			42 degrees
This turning radius report reflects how the vehicle was ordered and entered into the E-One Production system. Any changes done off-line may slightly alter the turning radius of the vehicle and the data in this report.			



SAE Turning Radius Calculations for Order No. 137551

Wheelbase:	250"	Front Bumper Size:	10"
Body Width:	100"	Front Bumper Extension:	20"
Front Axle Kingpin Center:	68.83"	Front Wheel Type:	ALUMINIUM
Front Axle Track:	81.47"	Rear Wheel Type:	ALUMINIUM
Front Axle Tire Width:	16.2"	Tire Brand:	MICHELIN
Dimension Over Rear Tires:	98.59"		
Body Front Overhang:	93"		
Inside Cramp Angle	S. A. E. Turning Radius	Tire Curb Clearance	Bumper Swing Clearance
38	39'	39.7'	44.2'
39	38.3'	38.9'	43.5'
40	37.5'	38.2'	42.8'
41	36.8'	37.5'	42.2'
42	36.1'	36.8'	41.6'
43	35.5'	36.2'	41'
44	34.9'	35.6'	40.4'
45	34.3'	35'	39.9'
Nominal Cramp Angles:			
Leaf spring suspension: up to and including 425/65R22.5 tires			45 degrees
Leaf spring suspension: 445/65R22.5 tires			38 degrees
Independent Front Suspension (IFS): up to and including 425/65R22.5 tires			44 degrees
Independent Front Suspension (IFS): 445/65R22.5 tires			42 degrees
This turning radius report reflects how the vehicle was ordered and entered into the E-One Production system. Any changes done off-line may slightly alter the turning radius of the vehicle and the data in this report.			