



SAE Turning Radius Calculations for Order No. 139754				
Wheelbase:		250"	Front Bumper Size:	12"
Body Width:		100"	Front Bumper Extension:	28"
Front Axle Kingpin Center:		71"	Front Wheel Type:	ALUMINUM
Front Axle Track:		84.36"	Rear Wheel Type:	ALUMINUM
Front Axle Tire Width:		16.2"	Tire Brand:	MICHELIN
Dimension Over Rear Tires:		98.59"		
Body Front Overhang:		100"		
Inside Cramp Angle	S. A. E. Turning Radius	Tire Curb Clearance	Bumper Swing Clearance	Minimum Inside Radius
35	41.9'	42.5'	47'	28.6'
36	40.9'	41.6'	46.2'	27.5'
37	40.1'	40.7'	45.4'	26.5'
38	39.2'	39.9'	44.6'	25.5'
39	38.4'	39.1'	43.9'	24.6'
40	37.7'	38.4'	43.3'	23.7'
41	37'	37.7'	42.6'	22.8'
42	36.3'	37'	42'	22'
43	35.7'	36.3'	41.5'	21.2'
44	35.1'	35.7'	40.9'	20.4'
45	34.5'	35.1'	40.4'	19.7'
46	33.9'	34.6'	39.9'	19'
47	33.4'	34'	39.4'	18.3'
48	32.9'	33.5'	39'	17.6'
49	32.4'	33'	38.6'	17'
50	31.9'	32.6'	38.2'	16.3'
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	
Reyco IFS: up to and including 385/65R22.5 tires			48 degrees	
Reyco IFS: 425/65R22.5 tires			45 degrees	
Reyco IFS: 445/65R22.5 tires without front intake			42 degrees	
Timoney Independent Front Suspension (IFS): up to and including 425/65R22.5 tires			44 degrees	
Timoney Independent Front Suspension (IFS): 445/65R22.5 tires			42 degrees	
Front Drive Axle: up to and including 425/65R22.5 tires			35 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.				