

High hose storage



Engine cooling problems



Loss of compartment space



Broken noses



100 head stitches



High hose bed



Men enclosed



Ford / Darley



24 second electronic ladder



Too high to remove



Ladder in down position



Newer apparatus



Walk through



Roll up doors



Low hose bed



Easy loading



Tak-4 front end



Curb to curb measurement...



**In this example, 56 ft. is the
turning radius**



Curb to curb...



Curb to curb...



MEASURE-MASTER
MODEL MM12

0.579

MARK II

SANZO SPECIALTIES

P.O. BOX 68 ENDICOTT, NEW YORK 13760
MADE IN U.S.A. PATENT PENDING

Cramp angle...



Notice curb to curb and wall to wall measurement



Original fire building



Original fire building



Original fire building



Opening roof of exposure



Exposure roof opening



Roof opening of exposure



Fire venting from opening



Taking off the last roof ladder



Removing roof ladders



Fire exposure



Opening roof



Exposed building



Mack


467 (Rev. 1/75)
MILWAUKEE FIRE DEPARTMENT

Motor Vehicle Information Sheet

Code No. 396
Year 1965
Manufacturer Mack Truck Co.
Engine Type Gasoline
Engine Model EMF 707 C
Displacement 707 cu. in.
No. of Cyls. 6
Horsepower 265
Wheelbase 160 in.
Length 307 in.
Width 96 in.
Height 110 in.
Gross Wt. 23,700 lbs.
Front Axle Wt. _____
Rear Axle Wt. _____
Chassis Serial C-95 F 1417
Engine Serial EMF 707C-00-0068
Clutch 19" Single Plate
Manual Trans. Mack 5 speed
Auto. Trans. _____
Differential Mack Dual Reduction
Power Steering Ross 50 26
Type Wheel Cast spoke
Tire Size: Front 10.00x20 Rear 10.00x20
Inflation Pressure: Front 35 psi Rear 35 psi
Brakes Air
Radiator Shutter Air operated
Alternator L.N. 100 amp.
Generator _____
Regulator L.N. 5058 RC-E
Starter Delco 1113350
Spark Plug Champion J-5
Air Filter Oil 4x15
Oil Filter Cartridge type
Fuel Filter Cartridge type
Water Filter Perry

Pump Serial Fire Pump
Pump Mfg. Mateross CMS 1000
Capacity & Stage 1000 GPM 2 stage
Suction Size 2" Front 5" Rear _____
2 1/2" Suction: Right 1 Left 1
2 1/2" Discharge: Right 2 Left 2 Rear 1
Pump Shift Electric
Pressure Regulator _____
Relief Valve Waterous Automatic
Hose Reel _____
Recoiler Tank 500 gal.

Aerial Serial _____
Aerial Mfg. _____
Aerial Type _____
Aerial Length _____
Power Takeoff _____
Axle Locks _____
Original Purchase Price \$23,250



Auction 7-91

Snorkel Serial _____
Snorkel Mfg. _____
Snorkel Length _____
Aux. Engine _____
Jet X Tank Capacity _____

Unit	Capacity	Lubri.
Crankcase	17 gts.	#30 Det.
Cooling	55 gts.	
Fuel Tank	41 gal.	Regular
Manual Trans.	15 pts.	SAE 90
Auto. Trans.		
Differential	31 pts.	SAE 90
Center Differential		
Front Differential		
Fire Pump Transm.	10 pts.	SAE 90
Priming Pump Reservoir	4 gts.	SAE 90
Upper Bevel Gear		
Lower Bevel Gear		
Snorkel Hyd. System		
Snorkel Rotation Gear		
Aux. Engine Crankcase		
Aux. Engine Fuel Tank		
Aerial Hyd. Tank	1 pts.	Type A
Power Steering Reservoir		
Received: 12/8/65		
Trans In: 1967 MPD Code 439		
In Service: 12/17/65		
Chassis Mfg. Model: C/P-F		
Front Axle Model: FA-514		
Rear Axle Model: RA-520		
Axle Carrier: CG-1171		
Axle Ratio: 6.75 to 1 power divider		
Manual Trans. Model: 2B-70		
Clutch Model: CL-25		
Engine to Pump Ratio: 1 to 2.35		
Pump Impeller Dia.: 9 in.		
Transfer Valve: Electric Shift		
Priming Pump: Electric Rotary Gear		
Priming Valve: Manual Electric		
Relief Valve Filter: Learned & Forey		

Pierce

F-667

MILWAUKEE FIRE DEPARTMENT

Motor Vehicle Information

Code No. 354
 Year 2001
 Purchase Price \$267,549.00
 Received 10/01/01
 In-Service 11/16/01
 Trade-In _____
 License NO. 54201
 Manufacturer Pierce
 Manufacturer's S/N 12698-03
 Chassis Model Dash
 V.I.N. 4P1CT02E11A001786
 Engine Type Diesel
 Engine Model Cummins ISM
 Displacement 10.8 litre
 No. of Cylinders 6
 Horsepower 400
 Engine S/N 35042407
 Wheelbase 205.5"
 Length 31'5.5"
 Width 96"
 Height 9'7.5"
 Frt Axle Wt. 18740 actual
 Rear Axle Wt. 24000 actual
 Gross Weight 42740 actual
 Auto Trans. Allison HD4060
 Auto Trans. S/N 6610084842
 Rear Axle Model RS24160NF622
 Rear Axle S/N NKA01028987
 Differential _____
 Axle Ratio 5.38
 Front Axle Model FL943CAX114
 Front Axle S/N NKA01029106
 Wheel Type BUDD
 Front Tire Size 385/65R22.5
 Inflation Pressure Front 125
 Rear Tire Size 11R22.5
 Inflation Pressure Rear 115
 Brakes Air Disc
 Air Dryer Wabco 1200
 Radiator Shutter _____
 Alternator Meihoff N1222-5 290a
 Regulator A2-121
 Starter Delco
 Air Filter Farr 400470 002A
 Oil Filter Fleetguard F9001
 Fuel Filter Fleetguard FS1000
 Coolant Filter Fleetguard _____
 Oil Separator _____
 Batteries Group 31S (6) 700CCA

Rev. 10/96



Fire Pump

Pump S/N QMAX150-23X-81497
 Pump Mfg Hale
 Capacity & Stage 1500 GPM Single
 Engine to Pump Ratio 2.32
 Impeller Diameter 10.5
 Suction Size: Front 5 Side 6
 Pump Shift Air
 Priming Pump Electric Oilless
 Priming Valve Hale
 Relief Valve None
 Pressure Governor Class One
 Booster Tank 500 gal 30 gal foam UPF
 D4UFPW0829010531C030

Unit	Capacity	Lubricant
Crankcase w/filter	41.2 Qts	15W40
Cooling	40 Qts	50/50
Fuel Tank	75 gal	Diesel
Auto. Transmission	33 Qts	Dexron
Rear Differential	37.2 Pt	80W90
Fire Pump Trans.	4 Qts	90W
Priming Pump Resv.	None	
Aerial Hydr. Tank	6 Qts	Dexron
Power Steer Reserve	7 lb 8oz	R134
Air Conditioning	4 Qts	Dexron
Cab Lift		

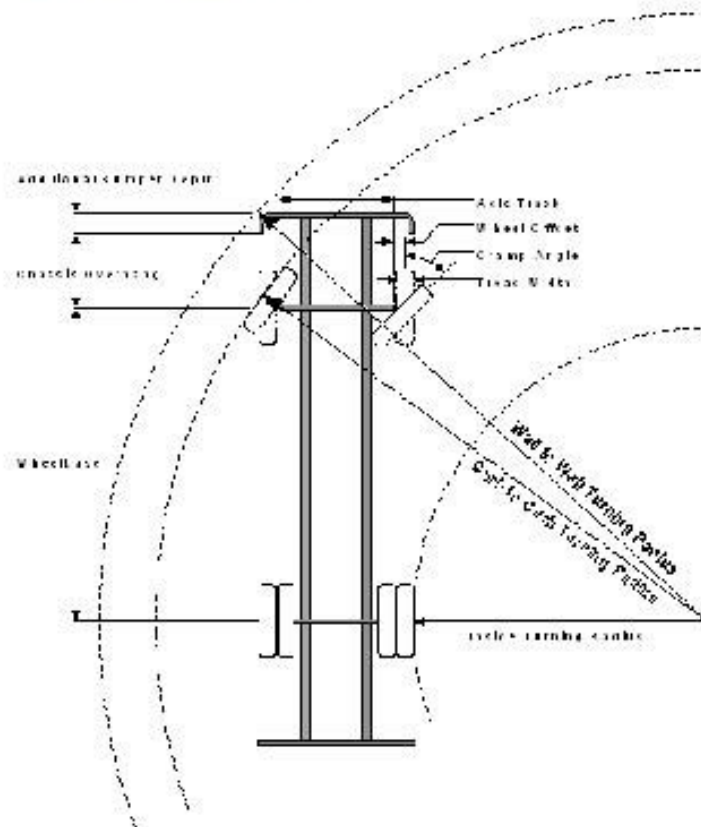
Aerial

Aerial Serial _____
 Aerial Mfg. _____
 Aerial Type _____
 Aerial Length _____
 Power Takeoff _____
 Axle Locks _____
 Ground Jacks _____



Turning Performance Analysis

12/21/2007



Parameters:

Inside Cramp Angle:	40.00 °
Axle Track:	82.92 in.
Wheel Offset:	5.30 in.
Tread Width:	17.80 in.
Chassis Overhang:	68.99 in.
Additional Bumper Depth:	19.00 in.
Front Overhang:	87.99 in.
Wheelbase:	230.00 in.

Calculated Turning Radii:

Inside Turn:	21 ft. 8 in.
Curb to Curb:	36 ft. 7 in.
Wall to Wall:	40 ft. 9 in.

Comments:

Aerial Application
75' Single Axle ladder

Components	PRIDE #	Description
Front Axle	0515158	Axle, Front, Oshkosh TAK-4 w/ Lift & Tow, Non Drive, 24,000 lb, DLX
Front Wheels	0019618	Wheels, Frt, Alum, Alcoa, 22.50" x 13.00" (425/445)
Front Tires	0078245	Tires, Michelin, 445/65R22.50 20 ply XZY 3 tread (24,000 TAK 4)
Chassis	0054966	Arrow-XT Chassis, Aerials, 31K Single Axle (Big Block)
Front Bumper	0012245	Bumper, 19" extended - all chassis'
Aerial Device	0120993	Aerial, 75' Heavy Duty Ladder

Notes:

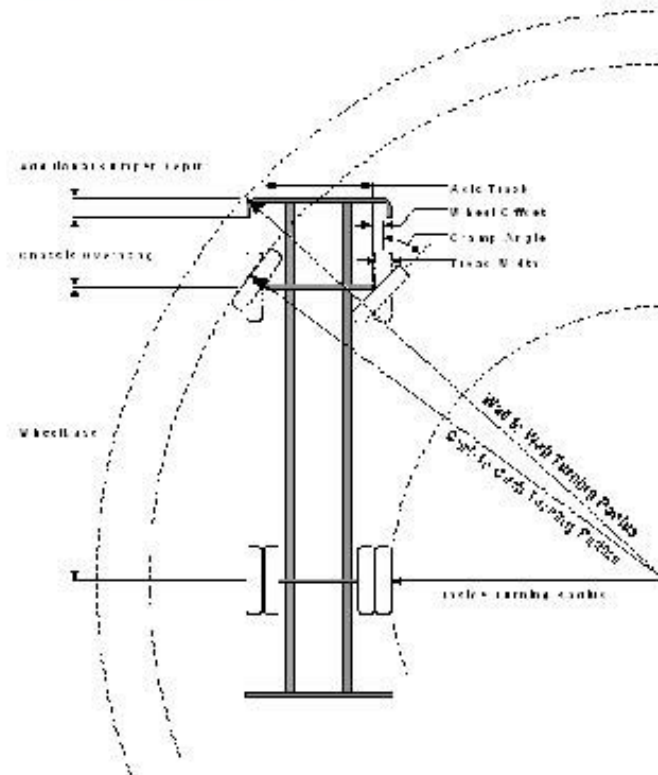
Actual Inside Cramp Angle may be less due to highly specialized options.

Curb to Curb turning radius calculated for a 9.00 inch curb.



Turning Performance Analysis

12/21/2007



Parameters:

Inside Cramp Angle:	40.00 °
Axle Track:	82.92 in.
Wheel Offset:	5.30 in.
Tread Width:	17.80 in.
Chassis Overhang:	68.99 in.
Additional Bumper Depth:	19.00 in.
Front Overhang:	87.99 in.
Wheelbase:	260.00 in.

Calculated Turning Radii:

Inside Turn:	24 ft. 8 in.
Curb to Curb:	40 ft. 5 in.
Wall to Wall:	44 ft. 7 in.

Comments:

95' Midmount Ladder

Components	PRIDE #	Description
Front Axle	0515158	Axle, Front, Oshkosh TAK-4 w/ Lift & Tow, Non Drive, 24,000 lb, DLX
Front Wheels	0019618	Wheels, Frt, Alum, Alcoa, 22.50" x 13.00" (425/445)
Front Tires	0078245	Tires, Michelin, 445/65R22.50 20 ply XZY 3 tread (24,000 TAK 4)
Chassis	0054968	Arrow-XT Chassis, PAP/SkyArm/Midmount
Front Bumper	0012245	Bumper, 19" extended - all chassis'
Aerial Device	0009233	Aerial, 95' Pierce PAP, Mid Mount

Notes:

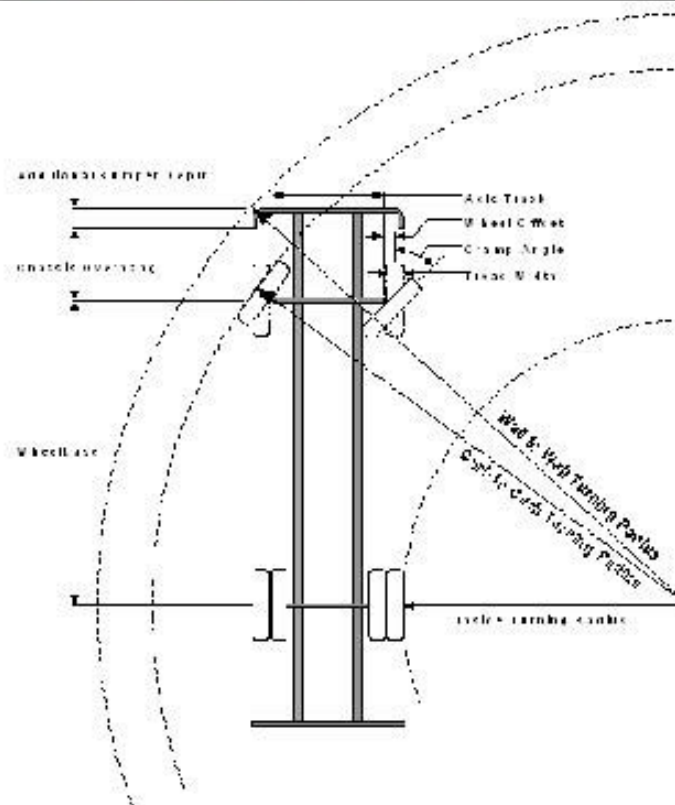
Actual Inside Cramp Angle may be less due to highly specialized options.

Curb to Curb turning radius calculated for a 9.00 inch curb.



Turning Performance Analysis

12/21/2007



Parameters:

Inside Cramp Angle:	40.00 °
Axle Track:	82.92 in.
Wheel Offset:	5.30 in.
Tread Width:	17.80 in.
Chassis Overhang:	68.99 in.
Additional Bumper Depth:	19.00 in.
Front Overhang:	149.60 in.
Wheelbase:	254.00 in.

Calculated Turning Radii:

Inside Turn:	24 ft. 1 in.
Curb to Curb:	39 ft. 8 in.
Wall to Wall:	47 ft. 4 in.

Comments:

Aerial Application
100' Platform

Components	PRIDE #	Description
Front Axle	0515158	Axle, Front, Oshkosh TAK-4 w/ Lift & Tow, Non Drive, 24,000 lb, DLX
Front Wheels	0019618	Wheels, Frt, Alum, Alcoa, 22.50" x 13.00" (425/445)
Front Tires	0078245	Tires, Michelin, 445/65R22.50 20 ply XZY 3 tread (24,000 TAK 4)
Chassis	0054968	Arrow-XT Chassis, PAP/SkyArm/Midmount
Front Bumper	0012245	Bumper, 19" extended - all chassis'
Aerial Device	0022160	Aerial, 100' Pierce Platform

Notes:

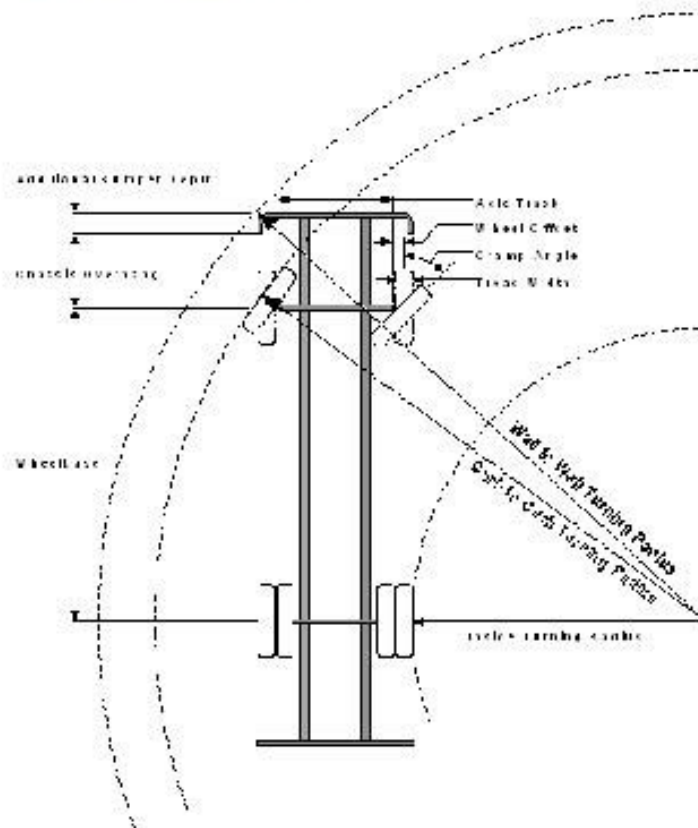
Actual Inside Cramp Angle may be less due to highly specialized options.

Curb to Curb turning radius calculated for a 9.00 inch curb.



Turning Performance Analysis

12/21/2007



Parameters:

Inside Cramp Angle:	40.00 °
Axle Track:	82.92 in.
Wheel Offset:	5.30 in.
Tread Width:	17.80 in.
Chassis Overhang:	68.99 in.
Additional Bumper Depth:	19.00 in.
Front Overhang:	87.99 in.
Wheelbase:	245.00 in.

Calculated Turning Radii:

Inside Turn:	23 ft. 2 in.
Curb to Curb:	38 ft. 6 in.
Wall to Wall:	42 ft. 8 in.

Comments:

Aerial Application
105' Ladder

Components	PRIDE #	Description
Front Axle	0515158	Asle, Front, Oshkosh TAK-4 w/ Lift & Tow, Non Drive, 24,000 lb, DLX
Front Wheels	0019618	Wheels, Frt, Alum, Alcoa, 22.50" x 13.00" (425/445)
Front Tires	0078245	Tires, Michelin, 445/65R22.50 20 ply XZY 3 tread (24,000 TAK 4)
Chassis	0054967	Arrow-XT Chassis, Aerials/Tankers, Tandem, 48K (Big Block)
Front Bumper	0012245	Bumper, 19" extended - all chassis'
Aerial Device	0120995	Aerial, 105' Heavy Duty Ladder

Notes:

Actual Inside Cramp Angle may be less due to highly specialized options.

Curb to Curb turning radius calculated for a 9.00 inch curb.