

Model 3715

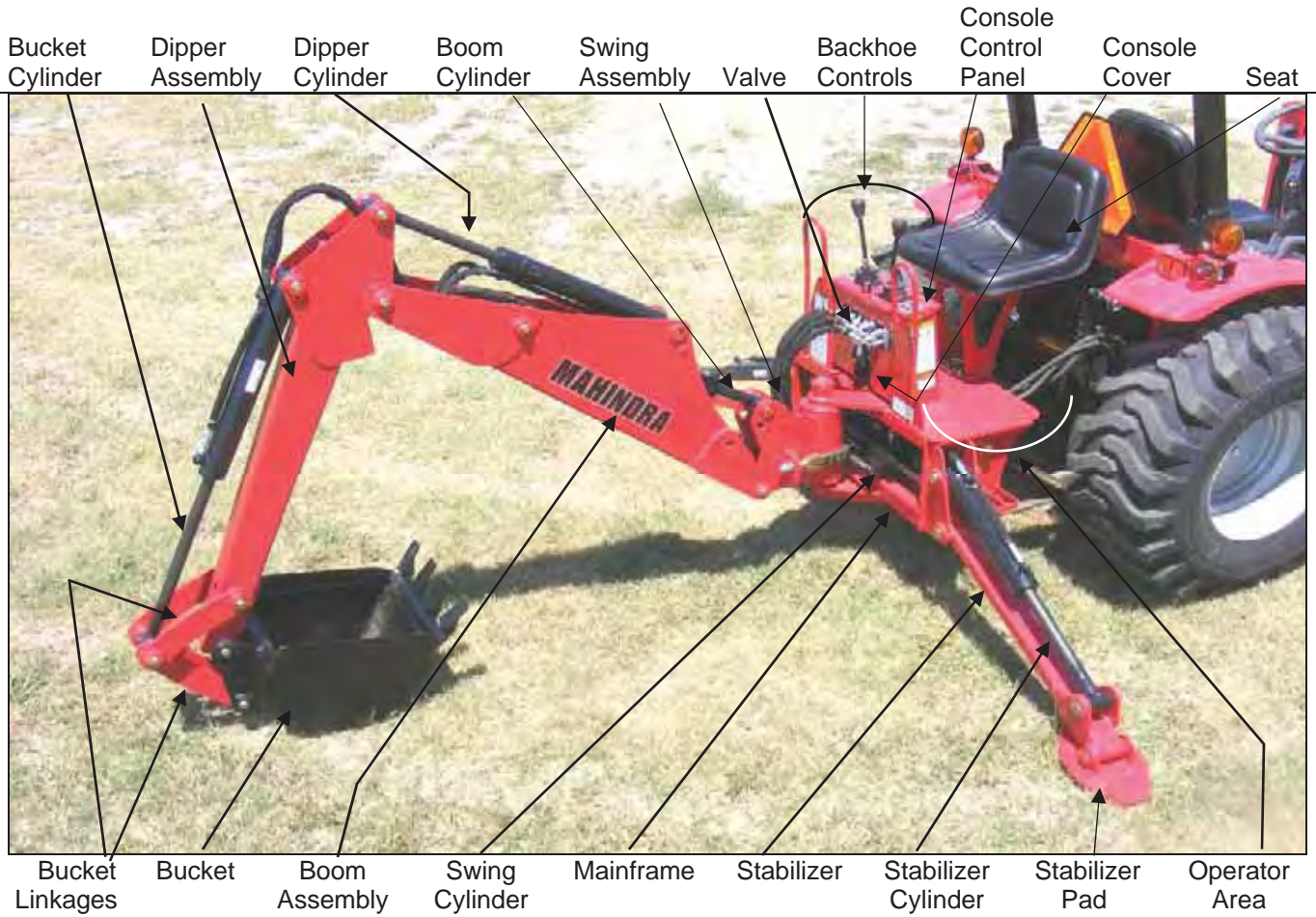
3016 – 3616 ROPS Tractor

Backhoe



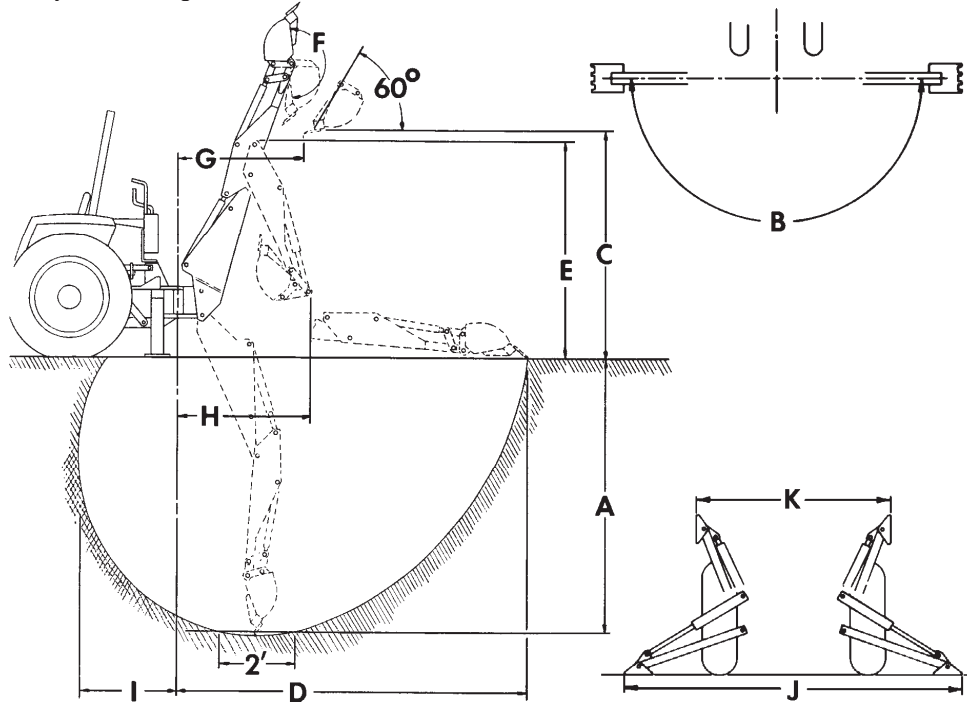
3.1. Backhoe Components

Throughout this manual, reference is made to various backhoe components. The purpose of this page is to acquaint you with the various names of these components. This knowledge will be helpful when reading through this manual or when ordering service parts.



1.2. Specifications

Following specifications are based on lower mounting bolt being 14" off of the ground. Specifications will vary depending on tractor model and wheel size it is equipped with. Specifications are provided for general use only. Specifications are subject to change without notification.



SERIES	3715
Maximum Digging Depth	94"
A. Digging Depth (two foot flat bottom)	92"
B. Swing Arc	180 degree
C. Loading Height (bucket at 60°)	63"
D. Reach from Center Line of Swing Pivot	127"
E. Transport Height (maximum)	119"
F. Bucket Rotation	175 degree
G. Loading Reach (bucket at 60°)	51"
H. Transport Overhang	44.7"
I. Undercut	58"
J. Stabilizer Spread, fully extended	101"
K. Stabilizer Spread, up position	64.5"
Bucket Cylinder Digging Force	2900#
Dipper Cylinder Digging Force	1100#
Shipping Weight (less bucket)	1230#
Hydraulic Volume Requirements	
Hydraulic Pressure Requirements	2050psi
Recommended Tractor Models Requirements	3016 and 3616 ROPS Tractors

1. SPECIFICATIONS

1.1. Specification Details

- Dedicated hydraulic valve with dual plus axis levers.
- Formed console gives unit a modern appearance and allows improved comfort to operator.
- Double acting cylinders
 - ◆ Bucket = 2.25" cylinder
 - ◆ Lift = 2.50" cylinder
 - ◆ Dipper = 2.25" cylinder
 - ◆ Stabilizer = 2.50" cylinder
 - ◆ Swing = 2.75" cylinder
- Cushioned, orificed and port reliefs are designed into the swing cylinder circuit allowing for smooth operation of backhoe.
- Heavy duty swing frame.
- Backhoe valve is positioned low to operator. This allows less heat and noise to be transferred into operator's area.
- Buckets are available in four sizes: 10", 12", 16", and 20".
- Use only the following Buckets on 3715 Backhoe:
 - 10" 6702-1047 3715 and 1710 Backhoe Bucket
 - 12" 6702-1048 3715 and 1710 Backhoe Bucket
 - 16" 6702-1049 3715 and 1710 Backhoe Bucket
 - 20" 6702-1050 3715 and 1710 Backhoe Bucket
- SAE O-ring, Flat face O-ring, and JIC hydraulic connections are used on this unit to reduce potential hydraulic leaks.
- 4-Point mounting system. 3-point linkages must be removed with backhoe installed. When backhoe is parked 3-point components can be reinstalled.
- Quick on and off: pull two quick pins and back away. (See detailed instructions in this manual)
- High strength steel with double formed dipper assembly.
- High back comfortable seat.

ACCEPTABLE CYLINDER LEAK DOWN RATES

Cylinder	Cylinder Bore Size	Cylinder Outside Diameter	Leak Down Rate per 10 minutes	Loader Model Numbers
Bucket	2.0"	2.375"	2.84"	MB710
Dipper	2.25"	2.62"	2.05"	MB710
Lift	2.5"	2.87"	1.66"	MB710
Stabilizer	2.25"	2.625"	.76"	MB710
Bucket	2.25"	2.62"	2.22"	MB3710, MB3715
Dipper	2.25"	2.62"	2.22"	MB3710, MB3715
Lift	2.5"	2.87"	1.94"	MB3710, MB3715
Stabilizer	2.5"	2.87"	.62"	MB3710, MB3715