20 SERIES
AIR CART

OPERATOR'S MANUAL

GH-001V9

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2.3 SPECIFICATIONS

2.3.1 CAPACITIES

i) Capacity[1] by Volume @ 100% full[2]

	Bushels [3]		Volume in ft³ (m³)		Split %
	1720	**2320**	**1720**	**2320**	
Front	71.4	89.8	89.2 (2.53)	112.2 (3.18)	39.1
Rear	111.1	139.9	139.1 (3.93)	174.9 (4.95)	60.9
Total	182.5	229.7	228.3 (6.46)	287.1 (8.13)	100.0

ii) Capacity[1] by Volume @ 95% full[2]

	Bushels [3]		Volume in ft³ (m³)		Split %
	1720	**2320**	**1720**	**2320**	
Front	67.8	83.1	84.8 (2.40)	103.9 (2.94)	38.1
Rear	105.5	135.0	131.9 (3.74)	168.8 (4.78)	61.9
Total	173.4	218.2	216.3 (6.12)	272.2 (7.72)	100.0

iii) Theoretical Tank Capacity by Weight (100% full)

Product	Density	Front Tank(lb)		Rear Tank (lb)		Total Tank (lb)	
	(lb/ft³)	1720	2320	1720	2320	1720	2320
11-51-0	61.0	5441	6844	8345	10666	13703	17511
46-0-0	45.5	4059	5105	6225	7956	10221	13061
Alfalfa	47.0	4128	5273	6430	8218	10558	13492
Barley	43.0	3777	4825	5883	7519	9659	12344
Canola	41.0	3601	4600	5609	7169	9210	11769
Flax	40.0	3513	4488	5472	6994	8986	11482
Lentils	48.5	4260	5442	6635	8481	10895	13922
Oats	34.5	3030	3871	4720	6033	7750	9904
Peas	50.0	4392	5610	6840	8743	11232	14353
Rye	48.0	4216	5386	6567	8393	10783	13779
Soybeans	47.5	4172	5330	6498	8306	10670	13635
Wheat	51.0	4480	5722	6977	8918	11457	14640

[1] Tests with 11-51-00 fertilizer at 60.0 lb/ft³.
[2] Full is with all corners completely stuffed with product: 95% full is when completely filled with the seeder auger, directing product with the auger spout.
[3] Bushels are calculated at 0.800 bus/ft³.

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C. Double shoot (optional)

For double shoot operation the damper is set approximately in the mid-position to divide the air flow. See Section 10.1 on Double Shoot for further information.



Fig 4.2.3g: Air Damper Lever Location 1923178

Detail operational information is covered in Section 10.1 which deals with installation, operation and service of the double shoot option.

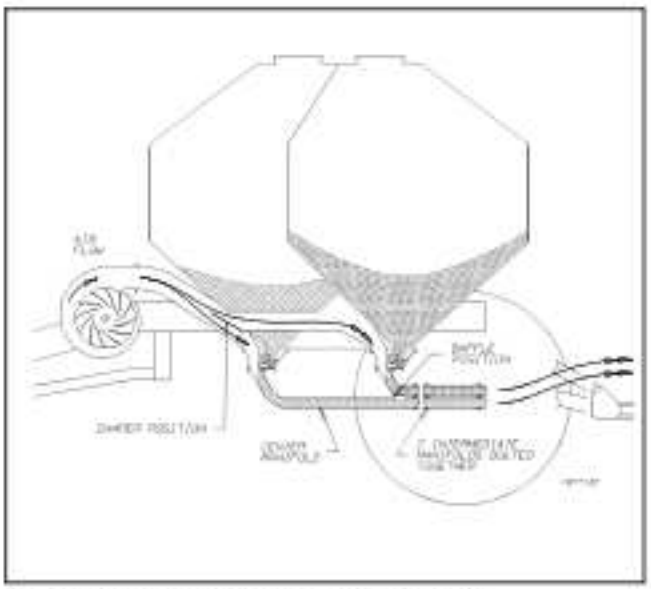


Fig 4.2.3h: Air Damper Lever Location

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A. Grease the fan shaft spline.
(Figure 7.3.1a)
- Weekly or every 50 hours
- Use MDS grease only
(Shell Alvania MDS or equivalent)
- DO NOT over grease - 5 full shots.

7.2.2 INSPECTION AND CLEANING

A. Check the tire pressures. (Section 2.3)
B. Torque the wheel bolts. (Section 2.3)
C. Check the fan for free rotation.
D. Check the hatch seals and lid closure device for tension and sealing.

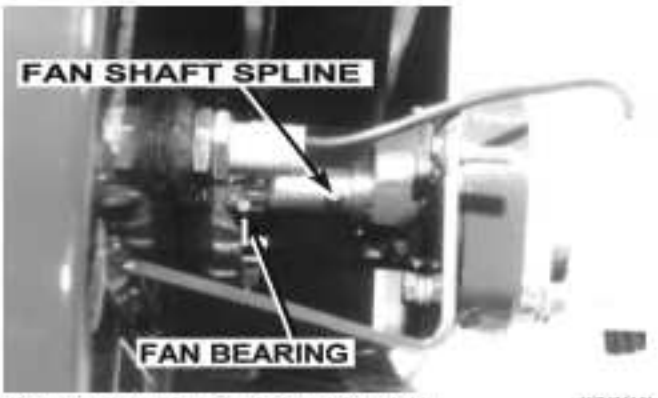


Fig 7.3.1a: Fan Shaft and Bearing

7.3 YEARLY MAINTENANCE (Every 100 Hours)

7.3.1 LUBRICATION

A. Grease the fan bearing every 100 hours.
(Figure 7.3.1a)
DO NOT over grease - one or two full shots.
B. Repack the castor pivot bearings.
C. Repack the wheel bearings.
D. Grease both upper cross shaft bearings, one on each end. (Figure 7.3.1b)
DO NOT over grease.
F. Grease both lower cross shaft bearings, one at each end.
(Figure 7.3.1b)
DO NOT over grease.

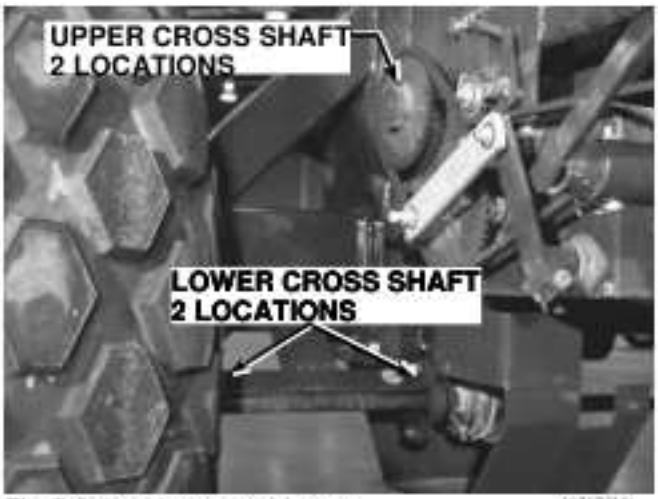


Fig 7.3.1b: Upper and Lower Cross Shaft Bearings

7.3.2 INSPECTION AND CLEANING

A. Check the tire pressures. (Section 2.3)

B. Check all wheel bearings for looseness.

7.4 SERVICE MAINTENANCE

Detailed service procedures are now published by Flexi-Coil in a separate publication called "Parts and Service Manual". See your dealer for more information.

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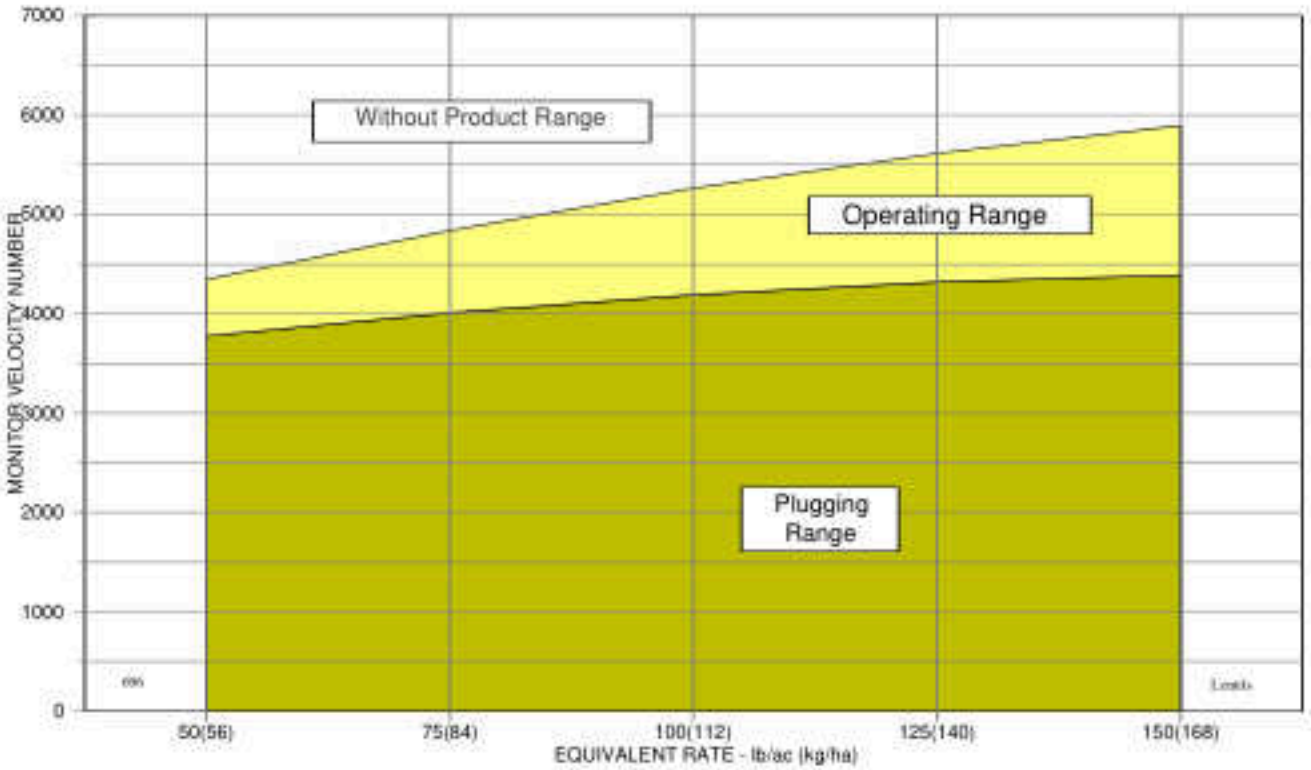


Fig 4.2.5c: Suggested Monitor Velocity Numbers for Lentils

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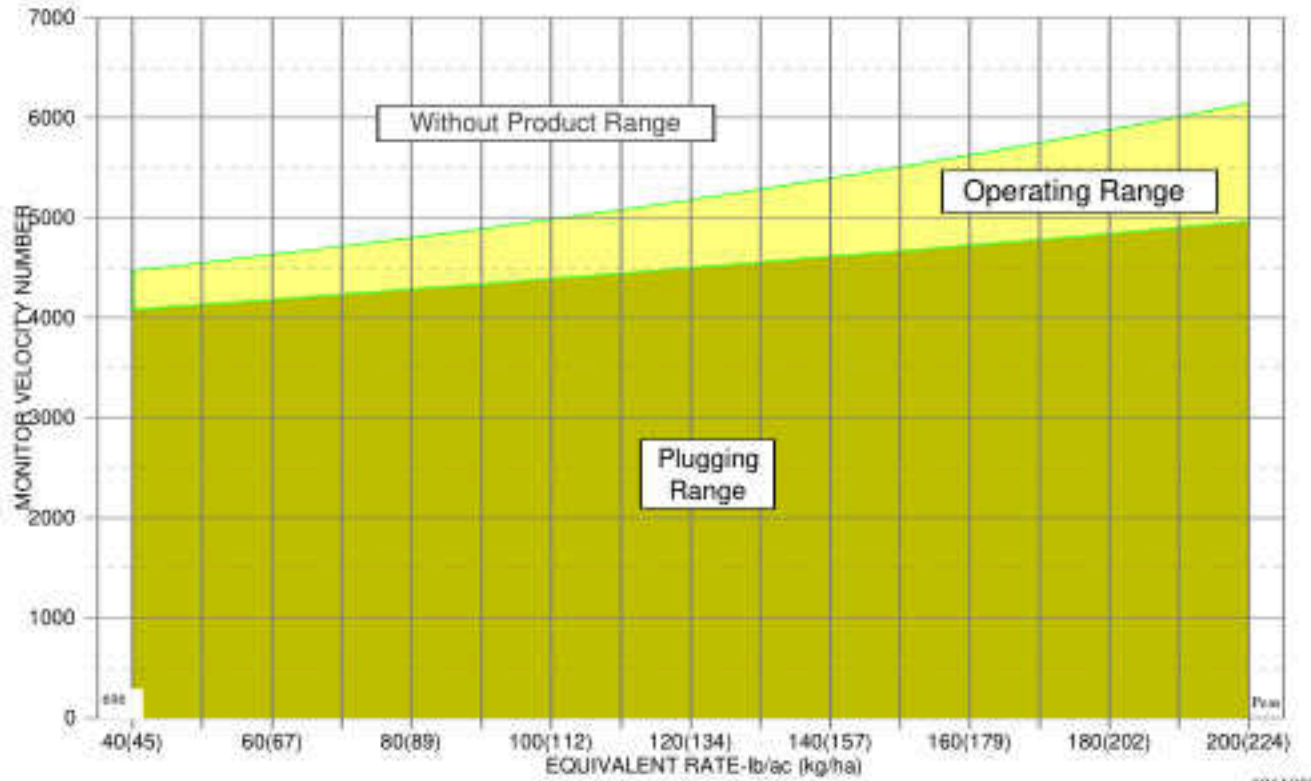


Fig 4.2.5d: Suggested Monitor Velocity Numbers for Peas

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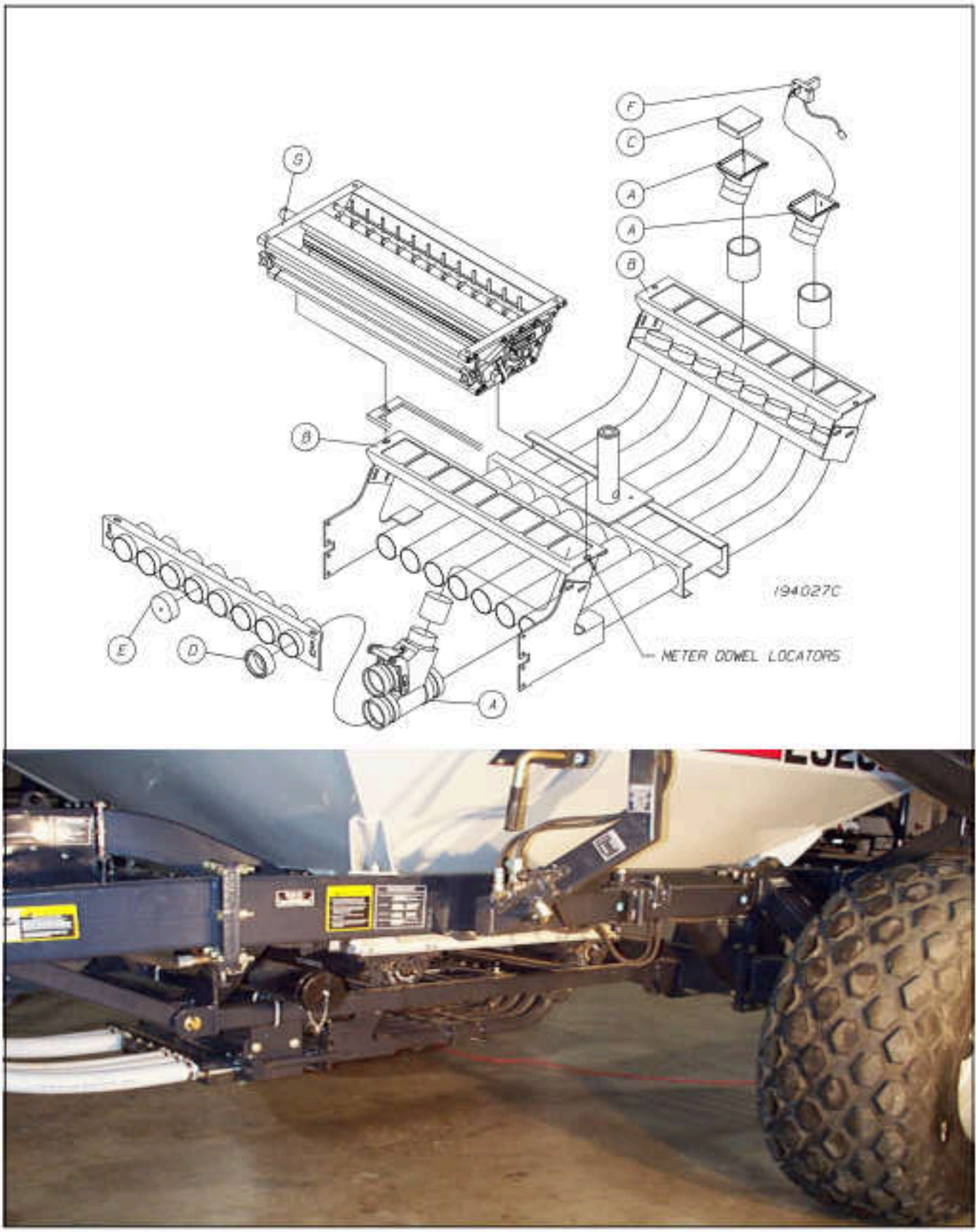


Fig 4.1.6d: The Center Manifold (in Position Under the Meter Boxes)

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