M, MD and 6 Series Farmall Tractors, Crawlers and Power Units

Service Manual

GSS-5033

CASE IH AGRICULTURE

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GENERAL

Models	M	MV	MD	MDV	W-6	WD-6	T-6
Approx. capacities (U.S. measure)							
Fuel tank, gallons	21	21	21	21	21	21	20
Starting fuel tank (when used), gallons	1	1	1	1	1	1	1
Water, cooling system, gallons	6	6	7	7	6	7	9½
Oil, crankcase pan, quarts	8	8	9	9	8	9	9
Oil, air cleaner cup, pints	2¼	2¼	2¼	2¼	2¼	2¼	2¼
Transmission and differential case, gallons	13	13	13	13	13	13	4
Final drive case, each side, pints	.....	7	.....	7	.....	.....	2
Steering gear case, pints	1	1	1	1	1½	1½	.....
Diesel injection pump case, Bosch, pints	.....	.....	⅝	⅝	.....	⅝	.....
Diesel injection pump case, IH, pints	.....	.....	½	½	.....	½	.....
Engine,							
Carbureted or Diesel, type	carb.	carb.	Diesel	Diesel	carb.	Diesel	carb.
Cylinders, number	4	4	4	4	4	4	4
Cylinder sleeve, type	dry	dry	dry	dry	dry	dry	dry
Bore and stroke, inches	3⅞ x 5¼	3⅞ x 5¼	3⅞ x 5¼	3⅞ x 5¼	3⅞ x 5¼	3⅞ x 5¼	3⅞ x 5¼
Governed speed, maximum load, rpm	1450	1450	1450	1450	1450	1450	1450
Magneto IH-H-4 fixed spark, rotation	c.w.	c.w.	c.c.w.	c.c.w.	c.w.	c.c.w.	c.w.
Spark plug, thread size	18mm.	18mm.	⅞—18t.	⅞—18t.	18mm.	⅞—18t.	18mm.
Spark plug gap, inches	.028 to .032	.028 to .032	.020 to .025	.020 to .025	.028 to .032	.020 to .025	.028 to .032
Valve clearance, engine hot, inches	.017	.017	.017	.017	.017	.017	.017
Carburetor (up draft), inches	1¼	1¼	starting only	starting only	1¼	starting only	1¼
Clutch							
Engine, dry disk, type	spg.-loaded	spg.-loaded	spg.-loaded	spg.-loaded	spg.-loaded	spg.-loaded	overcenter
Size, inches	11	11	11	11	11	11	12
Transmission, speeds							
Based on pneumatic tire (rear), size	12.00–38	10.00x36	12.00–38	10.00x36	13.00–30	13.00–30	.....
Speed in m.p.h. 1st	2⅝	2½	2⅝	2½	2⅝	2⅝	1½
2nd	3½	3⅜	3½	3⅜	3⅝	3⅝	2¾
3rd	4⅝	4½	4⅝	4½	4½	4½	3½
4th	5¼	5	5¼	5	5½	5½	3¾
5th	16¾	16	16¾	16	16	16	5¾
Reverse	3¼	3	3¼	3	2⅞	2⅞	1¾
Belt pulley attachment							
Pulley speed gov. full load, rpm	899	899	899	899	899	899	811
Belt speed, 11-in. pulley, feet per minute	2587	2587	2587	2587	2587	2587	2335
Power take-off attachment							
Shaft speed gov. full load, rpm	537	537	537	537	537	537	540 or 862
Spline diameter std. hitch, inches	1⅜	1⅜	1⅜	1⅜	1⅜	1⅜	1⅜
Wheels and tread							
Front wheels, toe-in, inches	.....	⅛	.....	⅛	⅜	⅜	.....
Front wheel tread, inches	9⅛	60—66	9⅛	60—66	46¾	46¾	.....
Rear wheel tread, inches	52 to 88	60 to 72	52 to 88	60 to 72	53	53	.....
Wheel base, inches	88½	91½	90	93	76	76	.....
Crawler tractor, ground contact length, inches	.....	.....	.....	.....	.....	.....	58½
Tread, narrow, inches	.....	.....	.....	.....	.....	.....	40
Tread, wide, inches	.....	.....	.....	.....	.....	.....	50
Track shoe widths, for narrow tread, inches	.....	.....	.....	.....	.....	.....	8 to 12
Track shoe widths, for wide tread, inches	.....	.....	.....	.....	.....	.....	8 to 20
Brakes							
External-contracting on drums (foot operated) diameter, inches	11½	11½	11½	11½	11½	11½	12½
Drawbar							
Type	bar	bar	bar	bar	bar	bar	bar
Vertical adjustment from ground, inches	12 to 18	15 to 21	12 to 18	15 to 21	7⅞ to 17¼	7⅞ to 17¼	12¼ fixed
Lateral hitch position each side of center, inches	13	15	13	15	7¼	7¼	.....
Lateral movement, swinging drawbar attachment, each side of center, inches	15¾	.....	15¾	.....	14	14	9½

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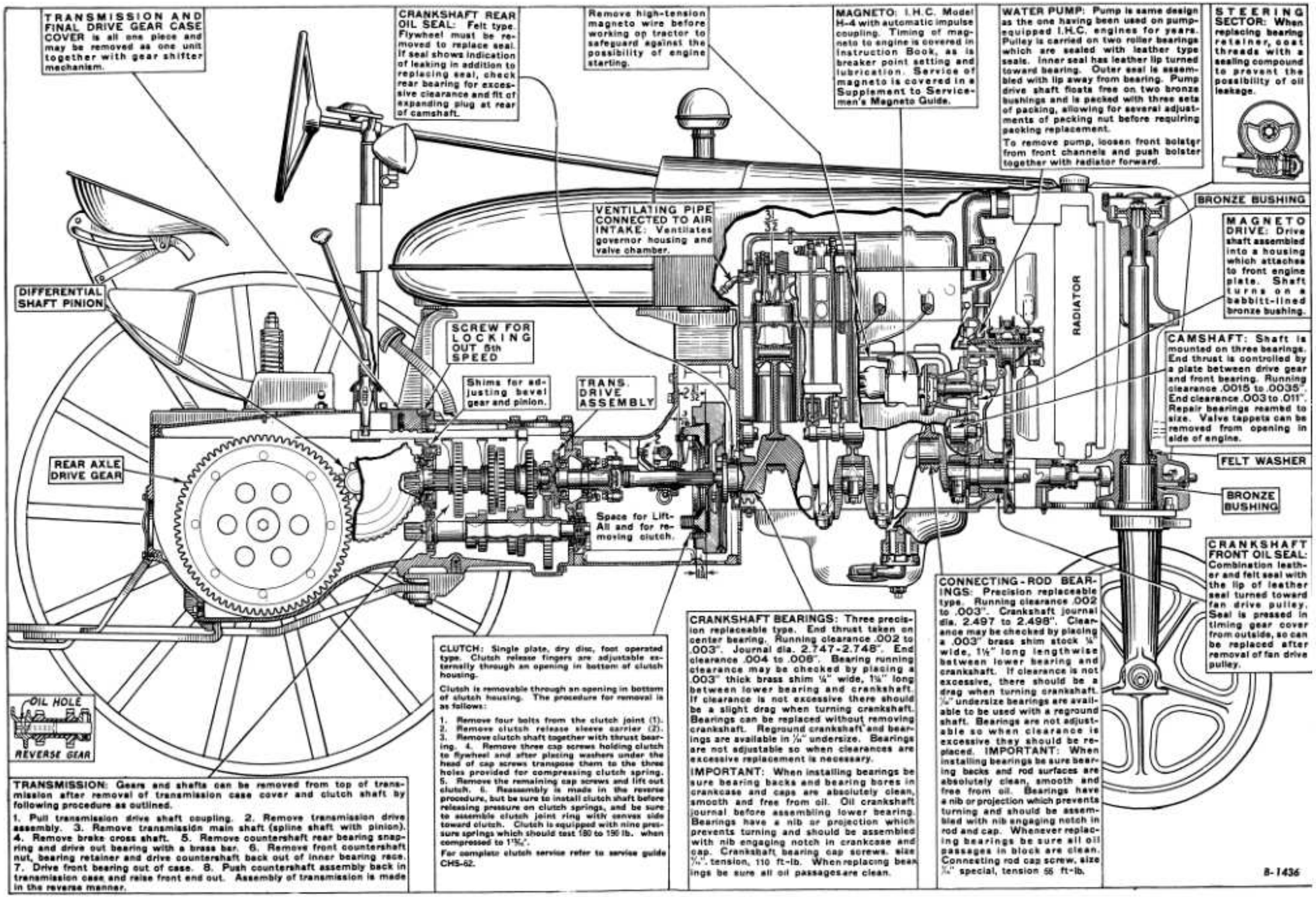


Chart 3. Farmall-M Tractor

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