H and 4 Series Farmall Tractors and Power Units

Service Manual

GSS5032

CASE IH AGRICULTURE

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SPECIFICATIONS

	H	HV	W-4	O-4	I-4	U-4	IU-4
Approximate capacities (U.S. measure)							
Fuel tank, gallons	17½	17½	17½	17½	17½	9½	.....
Starting fuel tank, when used, gallons	1	1	1	1	.....	.....	.....
Water cooling system, gallons	4¼	4¼	4¼	4¼	4¼	4¼	4¼
Crankcase oil pan, quarts	6	6	6	6	6	6	6
Transmission and differential case, gallons	6	6	6½	6½	6½	.....	6½
Final drive case (each side), pints	.....	3½	.....	.....	.....	.....	.....
Air cleaner oil cup, pints	1½	1½	1½	1½	1½	1⅝	1⅝
Steering gear case, pints	1	1	1	1	1	.....	.....
Engine							
Cylinders, number	4	4	4	4	4	4	4
Cylinders, type	dry liner	dry liner	dry liner	dry liner	dry liner	dry liner	dry liner
Bore and stroke, inches	3⅜ x 4¼	3⅜ x 4¼	3⅜ x 4¼	3⅜ x 4¼	3⅜ x 4¼	3⅜ x 4¼	3⅜ x 4¼
Engine speed, governed, maximum load, r.p.m.	1650	1650	1650	1650	1650	1800	1650
Magneto (fixed spark, clockwise rotation)	IHC—H-4	IHC—H-4	IHC—H-4	IHC—H-4	IHC—H-4	IHC—H-4	IHC—H-4
Spark plug gap, inches	.020 to .025	.020 to .025	.020 to .025	.020 to .025	.020 to .025	.020 to .025	.020 to .025
Valve clearance (engine hot), inches	.017	.017	.017	.017	.017	.017	017
Carburetor (IHC updraft), inches	1	1	1	1	1	1	*
Clutch							
Type	spring-loaded	spring-loaded	spring-loaded	overcenter	spring-loaded	overcenter	spring loaded
Size, inches	10	10	10	10	10	10	10
Transmission speeds							
Based on pneumatic tire or steel wheel size	51-in. (steel)	9.00 x 36	40-in. (steel)	11.26 x 24	11.25 x 24	.....	axle r.p.m.
Speed in m.p.h. 1st	2⅜	2½	2⅜	1½	2½	.....	16.617
Speed in m.p.h. 2nd	3½	3⅝	3⅛	3⅛	3½	.....	27.029
Speed in m.p.h. 3rd	4¼	4	4	3⅝	5	.....	38.854
Speed in m.p.h. 4th	5⅜	5	5	4⅛	7	.....	54.853
Speed in m.p.h. 5th	15⅜*	15¼	14†	14⅛	14⅛	.....	115.385
Speed in m.p.h. Reverse	3	2⅞	2¾	1¾	2⅞	.....	22.342
Belt pulley attachment (special)							
Pulley speed, r.p.m.	1019	1019	1019	1019	1019	.....	.....
Pulley diameter, inches	9¾	9¾	9¾	9¾	9¾	.....	.....
Pulley face, inches	7½	7½	7½	7½	7½	.....	.....
Belt speed, feet per minute	2601	2601	2601	2601	2601	.....	.....
Power take-off attachment (special)							
Shaft speed, r.p.m.	540	540	540	540	741	.....	.....
Wheels and tread							
Front wheels, inches	3½ x 22½	6.00 x 20	3½ x 22½	5.50 x 16	5.50 x 16	.....	.....
Rear wheels, inches	6 x 51 (steel)	9.00 x 36	8 x 40 (steel)	11.26 x 24	11.25 x 24	.....	.....
Tread, front, inches	8¾	60 to 66	46	46	46	.....	.....
Tread, rear, inches	44 to 80	60 to 72	50½	41¾	46	.....	.....
Wheelbase, inches	88½	91⅞	66½	66½	66½	.....	.....
Drawbar							
Type	flat bar	flat bar	flat bar	flat bar	pintle hook	.....	.....
Vertical adjustment from ground level, inches	12 to 18	14 to 20	9 to 16	9 to 16	9 to 15	.....	.....
Lateral hitch position each side of center, inches	9	15	7	7	0	.....	.....
Swinging drawbar lateral hitch positions each side of center, inches	15‖	.....	14‖	14‖	.....	.....	.....

*On 10-38 pneumatic tires (special). †On 11-26 pneumatic tires (special). ‖Regular on O-4; special on Farmall-H and W-4.

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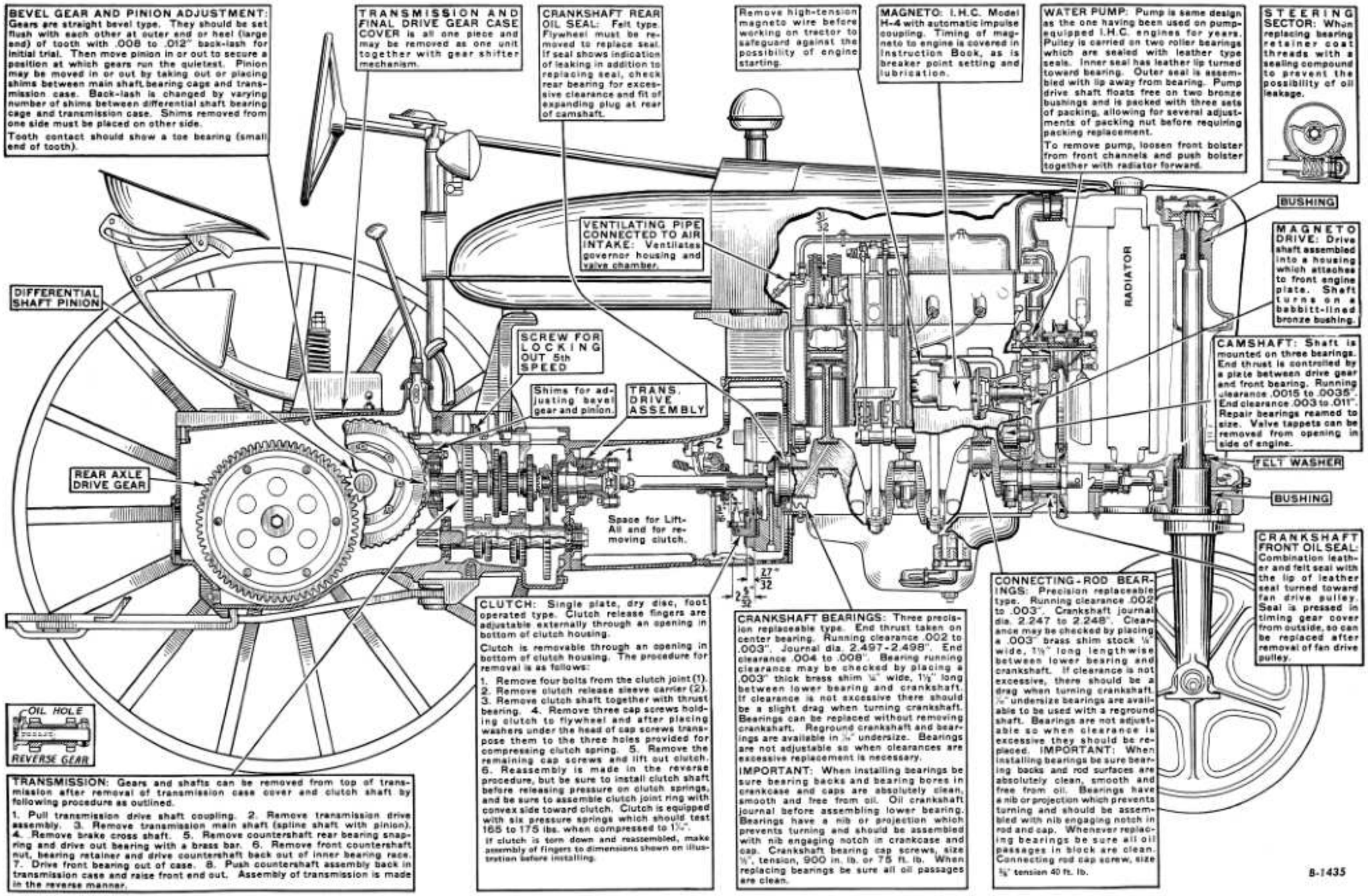
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Chart 2. Side View of Farmall-H Tractor



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