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MANUAL PREVIEW

J.I. Case

Service Manual

2470

Volume 1 of 2

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CA-S-2470

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APPROXIMATE OVERALL MEASUREMENTS

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TIRE	WHEEL RIM
A 23.1-30 R1	W20L-30

B	127 Inches (3 226mm)	D	216 Inches (5 486mm)	F	206 Inches (5 232mm)
C	102 Inches (2 591mm)	E	165 Inches (4 191mm)	G	15 Inches (381mm)

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Overall Width	108 Inches (2 743mm)
Turning Radius Minimum	192 Inches (4 877mm)
Overall Length (w/Hitch Coupler)	223 Inches (5 664mm)

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APPROXIMATE SHIPPING WEIGHT

2 WHEEL STEER W/STD. EQUIPMENT	14,800 Pounds (6 713 kg)
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6010

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POWER SHIFT AND FOUR SPEED TRANSMISSION

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HIGH C2 and C3 Clutches Engaged

The high range power-flow is shown in Figure 5. The mode of operation is direct drive. This can be achieved by locking any two of the basic planetary elements together. The illustration shows the previous two output elements, the ring gear and the planet carrier, locked to a common output member by the C-2 & C-3 clutches. The input drive sun gear remains engaged with the long planet gears, however, no relative rotation occurs, and the entire planetary assembly rotates in unison to drive the output shaft.



REVERSE C2 and C4 Clutches Engaged

The power-flow for reverse range is shown in Figure 6. The internal range gear is held stationary for reverse operation by the C-4 clutch. When the input sun gear drives the short planet gears through the long planet idlers, the short planet gears rotate in the same direction as the input gear. Since it remains engaged with the now stationary ring gear, it "walks" around the inside of the ring gear causing the carrier to rotate opposite the input gear. The output is taken off the planet carrier through the C-2 clutch.



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HYDRAULIC TESTING

Power Shift-Dual Remotes 3 Pt. Hitch
And PTO Clutch and Lock

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HOW IT WORKS

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