1150 Crawler

Service Manual

9-72483

MidWestTech | Case 1150 Crawler Service Manual | Publication 9-72483

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Exhaust Valve

	Decimal System	Metric System
Tappet Clearance (COLD)	.025"	.635 mm
Face angle	44°	44°
Face run-out (max. limit includng wear)	.002"	.051 mm
O.D. of head	1.445 to 1.455"	36.703 to 36.957 mm
O.D. of stem end including wear	.400 to .403"	10.160 to 10.236 mm
O.D. of taper 4.2675" (108.3947 mm) including wear	.399 to .402"	10.135 to 10.211 mm
Length	6.4025 to 6.4235"	162.6235 to 163.1569 mm
Insert seat angle	45°	45°
Seat contact width	.0800 to .1000"	2.032 to 2.540 mm
Seat run-out (max. limit including wear)	.002"	.051 mm
Insert height	.313 to .316"	7.95 to 8.026 mm
O.D. of insert	1.634 to 1.635"	41.504 to 41.529 mm
I.D. of insert	1.2676 to 1.2736"	32.1970 to 32.3494 mm

Intake and Exhaust Valve Guides

Length	3.219"	81.763 mm
O.D.	.7510 to .7515"	19.075 to 19.202 mm
I.D. (installed and reamed)	.4045 to .4055"	10.2747 to 10.2997 mm
Maximum limit including wear	.4065"	10.3251 mm
Protrusion above cylinder head	.953"	24.206 mm

Valve Spring

Free length (green stripe)	2.28"	57.912 mm
Free length (white stripe)	2.18"	55.372 mm
Total number of coils (green stripe)	7-3/4	
Total number of coils (white stripe)	7-1/4	
Wire diameter (green stripe)	0.171"	4.343 mm
Wire diameter (white stripe)	0.192"	4.877 mm
Compressed to 1.484" (37.694 mm), valve open (green stripe)	135 to 145 lbs.	601 to 645 N
Compressed to 1.484" (37.694 mm), valve open (white stripe)	153 to 167 lbs.	681 to 743 N
Compressed to 1.937" (49.2 mm), valve closed (green stripe)	40 to 50 lbs.	178 to 222 N
Compressed to 1.937" (49.2 mm), valve closed (white stripe)	50.5 to 60.5 lbs.	225 to 269 N

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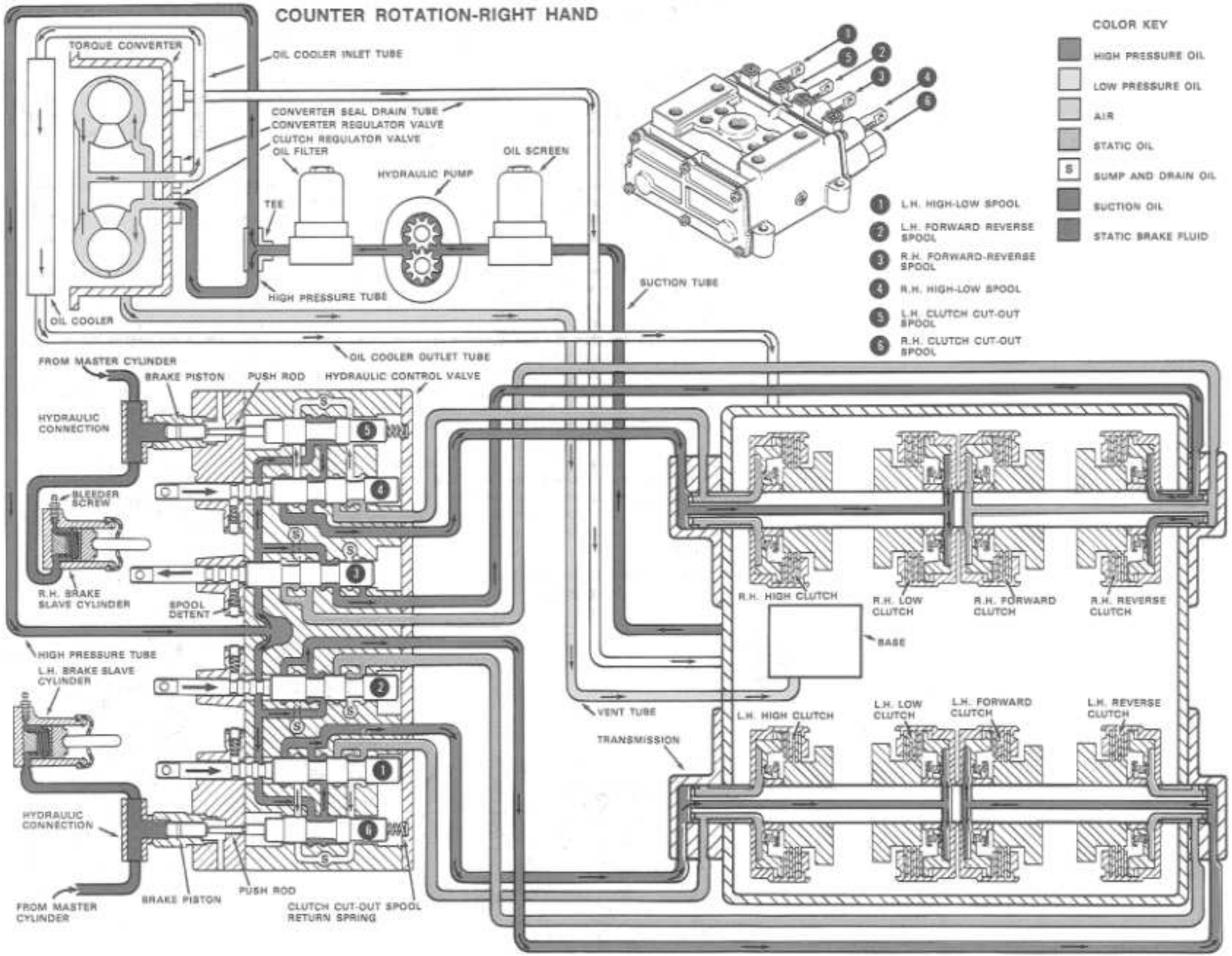


Figure 2

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