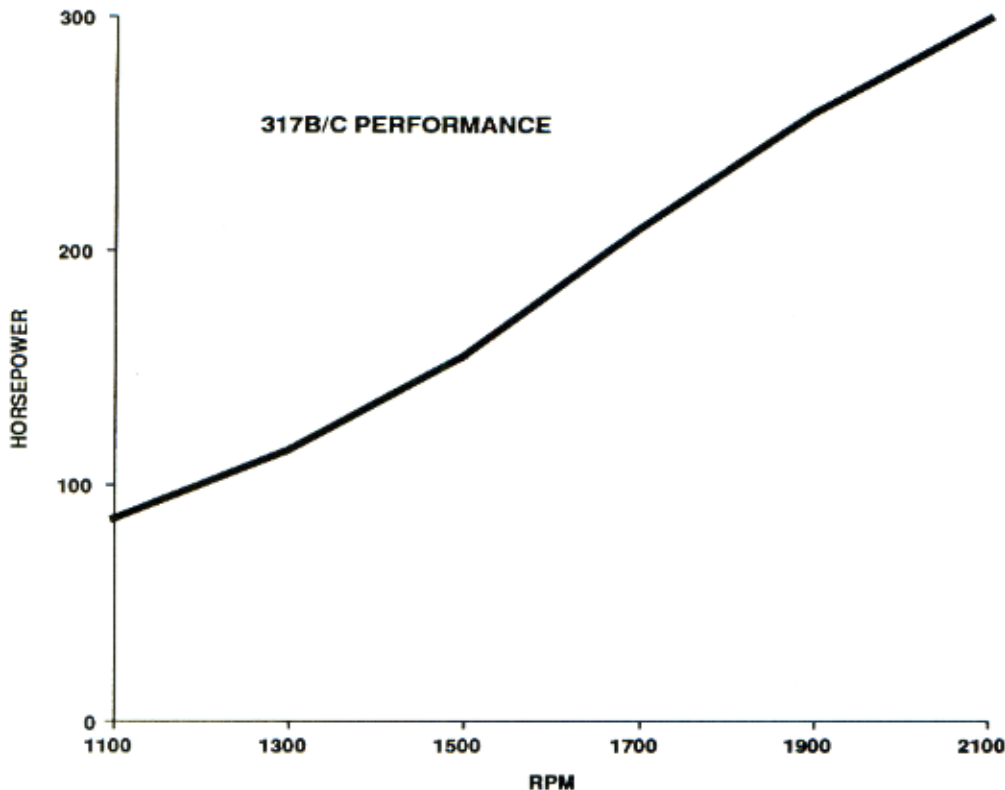
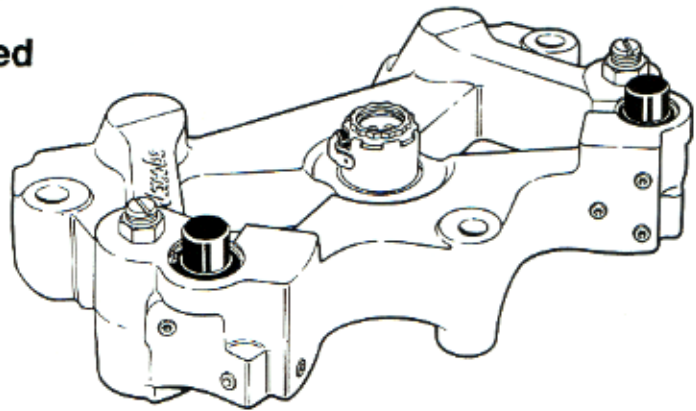


MODELS 317B/C
JAKE BRAKE®
FOR CATERPILLAR 3176 ENGINES



- Two models with identical HP fit all Caterpillar 3176 engine applications
- Single valve operation for reduced brake housing pressures
- Three braking levels for improved operating flexibility
- Single housing design for simplicity and interchangeability
- Common components with other *Jake Brake* models for easy serviceability



Retarding HP by Engine HP Rating		
RPM	317B	317C
1100	80	85
1300	110	115
1500	150	155
1700	205	210
1900	260	260
2100	295	300

All horsepowers listed at SAE standard atmospheric conditions.

MODELS 317B AND 317C
JACOBS® ENGINE BRAKES FOR
CATERPILLAR 3176 ENGINES



Engine Brake Models 317B/C		(Three housings, each controlling two engine cylinders)	
Overall Dimensions of Basic Engine Brake Housing	in.	mm	
Height	2.5	64	
Length	11.0	279	
Width	7.5	191	
Added Engine Height¹	2.56	65	
Weight of Standard Engine Brake Kit	lb.	kg	
Shipping Weight	78	35	
Added Vehicle Weight ²	75	34	
Number of Housings per Kit	3		

¹ Added height refers to overall vertical increase.

² Because some engine brake components replace standard engine parts, added Vehicle Weight does not necessarily equal weight of pre-installed Jacobs Engine Brake.

Torque Specifications

Cylinder Head Bolt	203 lbft. (275 N•m)
Cylinder Head Bolt Spacer	65 lbft. (88 N•m)
Brake Mtg. Stud Assy.	70 lbft. (95 N•m)
Housing Hold-down Nut	59 lbft. (80 N•m)
Housing Bolt	41 lbft. (55 N•m)
Slave Piston Adjusting Screw Locknut	25 lbft. (34 N•m)
Spacer Bolt (Cover)	5 lbft. (7 N•m)
Solenoid Valve	5 lbft. (7 N•m)

Engine Brake Applications and Adjustment

Model	Engine	Model Year	Slave Piston Adjustment	Slave Piston Adj. Tool P/N
317B	3176	Pre-91ESN Prefix 2YG	0.045 in. (1.14 mm)	16896
317B	3176	1991 ESN Prefix 7LG	0.050 in. (1.27 mm)	17902
317C	3176	1992 ESN Prefix 7LG, S/N 7LG07500 & above	0.020 in. (0.51 mm)	18424

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