

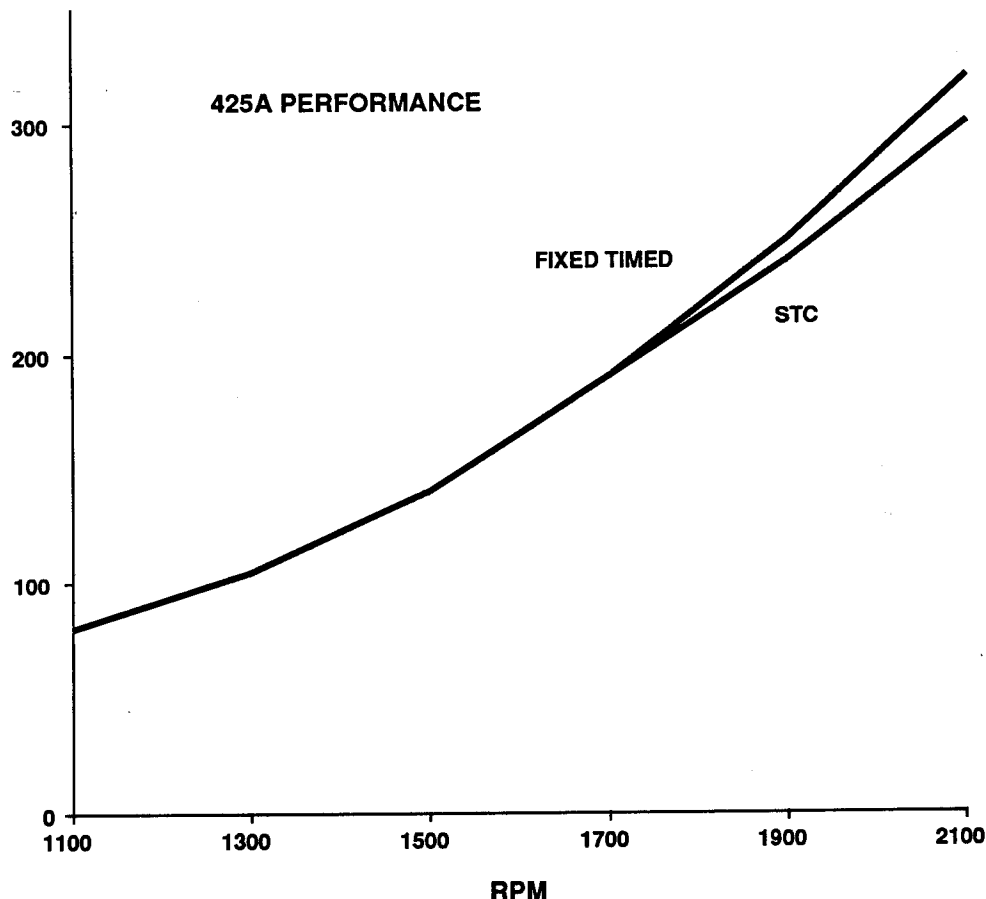
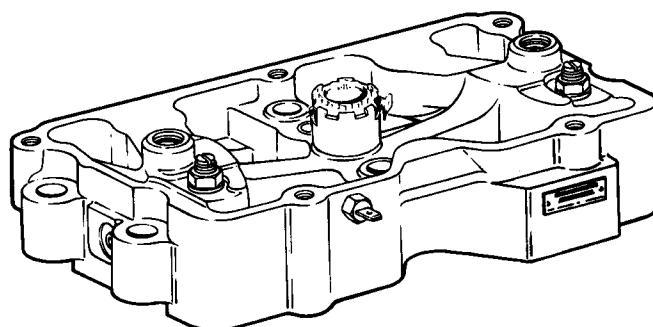
MODEL 425A

JAKE BRAKE®

FOR CUMMINS NH/NT ENGINES



- One model fits most pre-1988 Cummins Big & Small Cam Engines
- Adaptable to Fixed Timed or STC engine controls
- Three levels of retarding for operating flexibility
- Proven *Jake Brake* technology



Retarding HP by Engine Control		
RPM	STC	FT
1100	80	80
1300	105	105
1500	140	140
1700	190	190
1900	240	250
2100	300	320

All horsepowers listed at SAE standard atmospheric conditions.

MODEL 425A
JACOBS® ENGINE BRAKE FOR
CUMMINS NH/NT ENGINES



ENGINE BRAKE MODEL (Three housings, each controlling two engine cylinders)		
Overall Dimensions of Basic Engine Brake Housing	In.	mm
Height	2.5	64
Length	12.5	305
Width	7.5	191
Added Engine Height¹	2.5	64
Weight of Standard Engine Brake Kit	lb.	kg
Shipping Weight	84	38
Added Vehicle Weight ²	80	36
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

Exhaust Valve Crosshead Adjusting Screw Locknut	25 lbft. (34 N•m)
Slave Piston Adjusting Screw Locknut	25 lbft. (34 N•m)
Rocker Housing Stud	70 lbft. (95 N•m)
Engine Brake Hold-down Nut	60 lbft. (80 N•m)
Rocker Lever Adjusting Screw Locknut	45 lbft. (60 N•m)

Engine Brake Applications and Adjustment

Model	Engine	Slave Piston Adjustment	Slave Piston Adj. Tool P/N
425A	Pre-1988 Big & Small Cam with Divided Entry Turbo	0.018 in.	03087
425A	Pre-1988 Big Cam with Single Entry Turbo FT (some* CPL Nos.)	0.030 in.	15877
425A	Pre-1988 Small Cam with Single Entry Turbo with No Turbo Pre-1988 Big Cam with Single Entry Turbo (some* CPL. Nos.) with STC (some* CPL Nos.)	0.037 in.	15878

*Refer to Installation Manual, P/N 15864, and Service Letter 342 for specific application information.
 FT = Fixed Timed STC = StepTiming Control

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