Jacobs Vehicle Systems®

Jacobs Engine Brake | Intebrake

For the CUMMINS X15 Engine

Jacobs and Cummins engineers have improved the already industry-leading performance of the integrated Jake Brake® 15L engine. The 2017 X15 engine offers the highest level of engine braking performance for heavy duty engines in North America.

The optimized VGT and braking cam delivers 10% additional braking power at engine speeds under 1700 rpm compared to the 2010 ISX15. At a typical engine speed of 1500 rpm, drivers can now rely on 450 HP of braking power to provide confidence and driver control while in traffic or descending a hill. With a simple downshift to increase the engine speed, the engine brake in the X15 Performance Series will deliver a retarding force of up to 600 HP of braking at 2100 rpm.

FEATURES

- Jacobs trademark Jake Brake®
- Dedicated Cam Lobe design for Optimum Power
- Braking horsepower levels to 600 HP
- Matches Engine base standard warranty
- Three stage engine brake operation, low/med/high
- Certified and approved by the engine manufacturer
- Fully integrated with engine electronic controls and with vehicle ABS for greater driver control
- Factory installed
- Quieter performing brake
- Standard on all automotive engines

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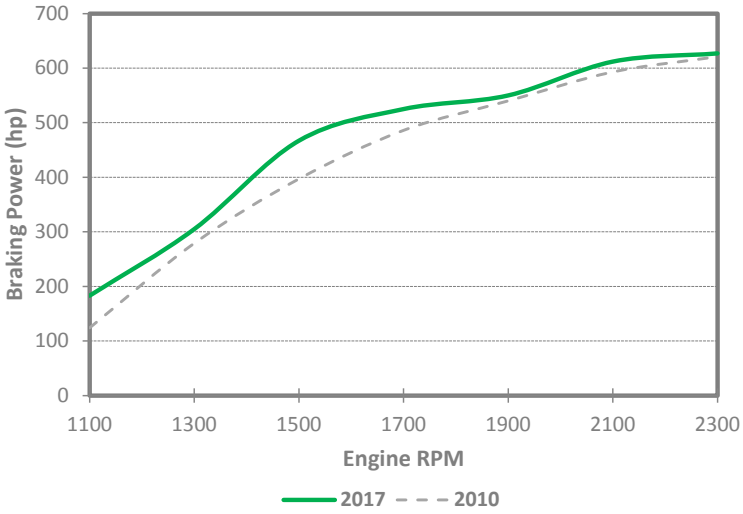
Braking Performance Information

RPM	HP	Torque (ft-lbs)
1100	183	867
1300	305	1225
1500	467	1633
1700	525	1677
1900	550	1521
2100	612	1532
2300	627	1436

Important Note: Horsepower values in table are raw horsepower numbers. Rated engine speed is 1800 rpm; governed speed is 2030 rpm.

Braking Performance



Technical Specifications

Running Clearance	0.025 - .110 in.
Tune-up Kit	P/N 2882081
Feeler Gage	P/N 3163530
Rocker Units Per Engine	6
Kit Added Weight*	20 lbs. or 9.0 kg.
Lash Setting	0.2756 in. or 7.0 mm

**No aftermarket kit is available*

Serviceable Part Numbers

Type I Solenoid - EPA Model Year 2007 and Earlier

12 VDC S/L V-Blade	P/N 4024759
12 VDC D/L V-Blade	P/N 3871710

Type II Solenoid - EPA Model Year 2010 and Later

12 VDC S/L V-Blade	P/N 3686406

Engine Brake Warranty

Will match the basic warranty mutually agreed by Jacobs and the engine manufacturer up to the maximum of 2 years or 250,000 miles (400,000 km), whichever comes first.

ALL claims for warranty are submitted through Cummins and will be subject to the limitations of the agreement.