

THIS BRAKING NEWS

BROUGHT TO YOU BY INTERNATIONAL.



International® diesel engines are known across the industry for delivering high performance, outstanding fuel economy, increased reliability and durability, reduced emissions and easy maintenance. But just as important is the outstanding braking performance offered by the exclusive International® Diamond Logic™ exhaust brake and engine brake.

These optional brake systems redefine integrated braking performance – with superior braking power, less wear on vehicle brakes for extended life, significantly lower noise levels compared to traditional braking systems, and no added engine height and weight.

For owners, drivers and maintainers, it's the kind of performance matched only by the engine itself.



The International® Diamond Logic™ exhaust brake.

- The International® EVRT® turbocharger variable vane design provides exhaust plenum backpressure for the exhaust brake without the need for external braking devices.
- The exhaust brake provides up to 150 bhp on International® DT 466* engines and up to 185 bhp on International® DT 570 and HT 570 engines.
- Can be easily retrofitted in the field, providing greater flexibility and increasing resale value.
- Integrated with cruise control to help keep the vehicle at desired speeds.

The International® Diamond Logic™ engine brake.

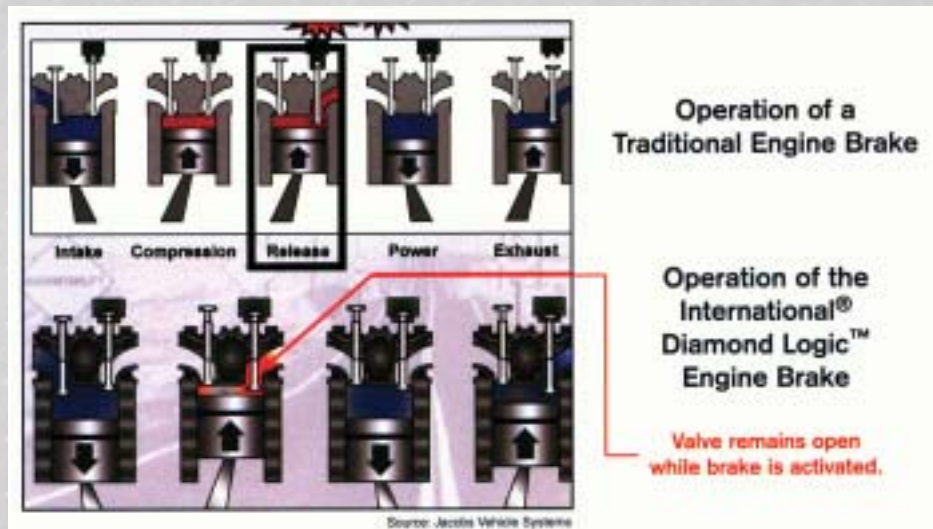
- The optional Diamond Logic engine brake provides the braking power of traditional mechanical engine brakes with no added engine height and virtually no added weight.
- Performs in tandem with the International Diamond Logic exhaust brake to achieve maximum braking power: up to 275 bhp on International DT 466* engines and up to 325 bhp on International DT 570 and HT 570 engines.
- During periods of positive power, the engine brake is retracted, allowing the exhaust valve to operate normally. With the brake activated, the high-pressure oil rail feeds the brake actuator instead of the Electro-Hydraulic Generation Two (G2) fuel injector and keeps the exhaust valve open continuously. This exhaust valve actuation converts vehicle momentum into retarding engine power.
- No added valve train loading – resulting in longer engine and brake life.

*International DT 466 engines with serial numbers 2000001 and above.

- The low, medium and high valve positions operate on all six cylinders, yielding more even cylinder wear and brake life.
- Integrated with cruise control to help keep the vehicle at desired speeds.
- The high-pressure oil rail includes integrated single-piece cast International® Diamond Logic™ brake actuators.
- No characteristic “popping” noise created by typical engine brakes, resulting in much quieter operation even at full braking capability. The Diamond Logic engine brake

remains at 65 dBA throughout its operating engine speed, compared to the 85 dBA of engine noise created by traditional engine brakes at full throttle. That’s approximately the difference between the sound level of normal conversational speech and a running vacuum cleaner.

- A selector switch allows the driver to switch between low, medium and high braking settings.
- The brake is deactivated simply by tapping the brake pedal.



Integrated International Diamond Logic exhaust brake and engine brake systems prove there’s no slowing down innovation. For more information, see your International® dealer or visit our web site at www.InternationalDelivers.com.



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