

GRADERS

A. Original Equipment Manufacturer (OEM)

The following OEMs offer noise controls for new graders. Local dealers should be contacted for availability and further details.

Manufacturer	Cab (Cost, if optional))	Acoustic Material in Cab	Muffler	Optional Sound Suppression Kits (Cost)	Optional Engine Side Hood (Cost)
Kolman/Athey ¹	X (\$2,757*)	X	X	X (\$248*)	
Caterpillar ²	X	X	X	X	X
John Deere ³	X	X	X		
Komatsu/Dresser ⁴	X	X	X	X (\$705*)	X

*Optional

"X" indicates product availability.

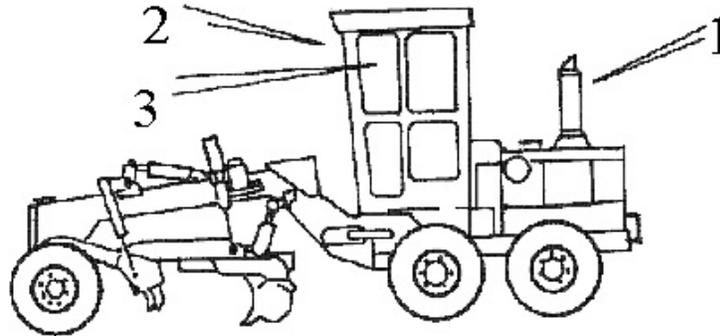
¹**Kolman/Athey:** Cabs are optional and cost does not include heater or air conditioner. Sound suppression kits are cut to fit specific machine models (some trimming required).

²**Caterpillar:** Sound suppression as needed for particular machine. Include engine panels or treatment inside hood, slow fan down, bigger muffler. Cabs are standard on all models, but may be special ordered without cab at customer's request.

³**John Deere:** Most models sold with cabs. Add-on cab sold as miscellaneous parts only. No kits available. The difference in price for a grader is \$1,855

⁴**Komatsu/Dresser:** All machines come with cabs as standard equipment. Sound suppression kits for older models include floormat and acoustic material.

B. Retrofit Noise Controls



- Install an exhaust muffler (1) or replace a faulty one with a more effective muffler.

-Add an acoustically-treated cab (2) to the grader. The cab should be constructed with acoustic materials and air conditioning.

-Add additional acoustical material to an existing cab (3). The major noise sources on a grader are the exhaust, the engine and the fan, and they are behind the operator. To lower noise levels, treat the rear wall of the cab with composite-type, acoustical blanket material. This material consists of a high-density, vinyl septum sandwiched between two layers of fiberglass. This material provides a barrier from noise and also absorbs sound waves. Treat the rest of the cab with fiberglass absorption material and the floor with an acoustical floormat. This will help to block noise from below caused by structural vibrations.

C. Alternative Technology

None identified at this time.