

Emissions Upgrade Groups

For Select 3300 Engine Off-Highway Applications



Reduced Emissions After Overhaul

Emissions upgrade groups help you meet stricter emissions requirements. The groups include an upgraded turbocharger, fuel pump/governor, nozzles, cylinder packs, and installation parts.

- **Lower Emissions**—Confirmed by Caterpillar, select unregulated 3306 engines can meet Tier 1 emissions levels when specific emissions upgrade components are properly installed by a Cat® dealer.
- **Installation**—Equipped with all the emissions upgrade parts you need, the emissions upgrade groups are released as kits.
- **Validation**—Marked with an emissions label, your engine will be equipped with an indicator in the field that it can achieve lower emissions levels than the original engine. Validation requires installation by a Cat dealer.
- **Reliability**—Get the same proven components used in later model engines in these emissions upgrade groups.
- **Serviceability**—Continue the same maintenance schedules. The engine will receive a new arrangement number and information label.

Caterpillar. The difference counts.™

Cat Dealers define world-class product support. We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

CATERPILLAR®

Innovative Use of Tier 1 Technology



Look for more solutions for different applications coming soon.

Application	Original Engine Arrangement	Emissions Upgrade Group ¹
Track Type Tractors		
D6D	7N1398, 7N1399 1N3061	284-3285
D6H	1W2630, 4P2971, 4P2973, 6I2094 6I2095, 6I2096 6I2097, 7C0501	267-5717
D7H – DITA	6I2098, 6I2100	281-3219
D7H – DIT	7C2032, 7C1959 6I2099	281-3220
D7H – DIT	7N2740, 4W8491 7C9084	284-3286
D7G	1W0543	284-3284
Motor Graders		
12G	2W0819, 2W4483	274-5176
14G	7W4102, 7W4104	274-5177
140G	2W0820, 2W4487	274-5178
140G VHP	7W1766	274-5190
Wheel Tractor Scrapers		
627B (T)	1W1344	279-3379
627B (S)	1W1342	279-3380
627E (T or S)	1W3210, 1W3225 7W8549	279-3381
637D (S)	1W1346	279-3382
637E (S)	1W3231	279-3383
Wheel Loaders		
966D, E, F, FII	6I2965, 6N3055 7E0082, 9Y1719	274-9911
970F (VHP)	6I2027, 106-5531	284-3294
Articulated Trucks		
D25C/D, D30C/D D35C, D300B, D350C/D	9Y82874, 7C7046 2W1557	284-3287
Compactors		
814B - 815B - 816B	9Y4951, 6N5908	284-3288
Excavators		
330	9Y4134, 9Y4133	284-3289
Challenger Tractors		
CH65	7W4152	284-3290
CH65B	4P4976	284-3291
CH65C	4P9295, 6I4087	284-3292
Track Type Loader		
973	7N5106, 5C9442	284-3293

¹Emissions Upgrade Groups must be broken down to the serviceable levels for ordering.

This project was undertaken pursuant to an agreement with the United States in connection with settlement of disputed claims in an enforcement action under the Clean Air Act.

Upgrade Group

Turbocharger

Increased air flow and boost.



Fuel Pump / Governor

Pre-assembled and tested. Increased line pressure. Improved injection timing.



Nozzle

Orifice number and size changed for improved atomization.



Cylinder Pack

Optimized compression ratio.



Installation Parts

Additional components and parts needed to install the above components.



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For more information, see us today or visit our Web site at www.cat.com

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