



# R5.0 Starter Truck /Engine Model Application Chart



## R5 Approved Applications

Engine/Truck Model	Freightliner	Sterling	International (Thru MY2006)	Peterbilt	Kenworth	Mack	Volvo	Western Star
CAT C11			428000-4420		428000-4420			
CAT C12			428000-4420 <sup>(C)</sup>	428000-4420 <sup>(D)</sup>				428000-4420 <sup>(E)</sup>
CAT C13	428000-4420	428000-4420	428000-4420	428000-4420	428000-4420			
CAT C15	428000-4420	428000-4420	428000-4420	428000-4420	428000-4420			428000-4420 <sup>(B)</sup>
Cummins ISM	428000-4420	428000-4420	428000-4420	428000-4420	428000-4420		428000-4420	
Cummins ISX	428000-4440 428000-5190		428000-4440 428000-5190	428000-5190	428000-5190			
Cummins ISX w/ IMS Relay	428000-5170 (MY2010-)		428000-5170 (MY2007-)					
Cummins M11	428000-4430	428000-4430	428000-4430	428000-4430	428000-4430			
Cummins N14	428000-4440	428000-4440	428000-4440	428000-4440	428000-4440		428000-4440	
DD S60	428000-4430 <sup>(A)</sup> 428000-5730	428000-4430 <sup>(A)</sup> 428000-5730	428000-4430 <sup>(A)</sup> 428000-5730	428000-4430 <sup>(A)</sup> 428000-5730	428000-4430 <sup>(A)</sup> 428000-5730		428000-4430 <sup>(A)</sup> 428000-5730	428000-4430 <sup>(A&amp;B)</sup> 428000-5730 <sup>(B)</sup>
DTNA DD13 w/ IMS Relay	428000-8690 <sup>(F)</sup>							428000-8690 <sup>(F)</sup>
Mack E-Tech, E-7						428000-4430		
MaxxForce 11 w/ IMS Relay			428000-8370 <sup>(G)</sup>					
MaxxForce 13 w/ IMS Relay			428000-8370 <sup>(G)</sup>					
MBE 4000	428000-4450	428000-4450						428000-4450
Volvo VE12							428000-5430	

	Under Development
	Not Applicable

<sup>(A)</sup> 1994-2006 when the fuel filter is outside the frame rail (single fuel filter)

<sup>(B)</sup> 2007 Model Year Only

<sup>(C)</sup> 1998 Model Year Only

<sup>(D)</sup> 1999 Model Year Only

<sup>(E)</sup> 1997 Model Year Only

<sup>(F)</sup> 2007 Model Year Forward

<sup>(G)</sup> 2007 Model Year Forward

**Disclaimer:** At this time, DENSO does not offer a starter for any of the International Model Year 2007 and newer for the Cummins ISX, Caterpillar C11, C13 & C15 or International MaxxForce DT (DT466), 7 (VT365), 11 & 13 engines. International Trucks, as of Model Year 2007, has specified that all new vehicles come standard with a relay diode attached to the starter. The DENSO starter is not applicable for these applications. Currently, DENSO is in the process of developing product to fit these applications that will meet Internationals OEM specifications.

**Starter must be installed with the drain tube positioned downward.  
The physical appearance of this DENSO starter may differ from the original starter.**