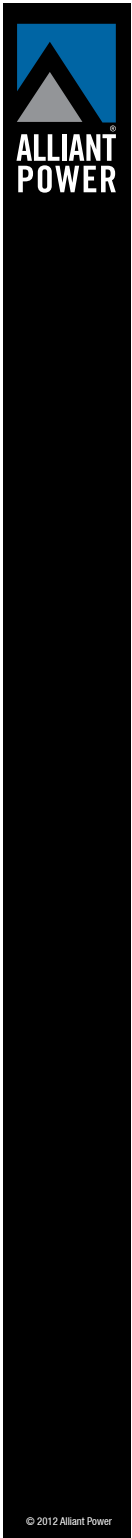


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AP4089602 Fuel Transfer Pump Kit includes virtually the same pump as the former Cummins part number, plus installation hoses and hardware, and an inline fuel filter. Hoses included with the AP4089602 kit eliminate the need to purchase a separate 3969705 hose when a pump with a non–removable inlet hose is replaced. Operating characteristics of this external fuel transfer pump are described below:

The fuel transfer pump (item 11 in the illustration below) is attached to the rear of the fuel filter/water separator housing (item 10). The 12 volt pump is operated and controlled by the engine control module (ECM). Maximum duty cycle to the pump is 5 amps. When the engine is running, the transfer pump has a 100% duty–cycle with a pressure of 9.5 – 11.5 psi. Minimum flow is 420ml in 10 seconds, using a DRB to actuate the pump. When the key is first turned on (without cranking the engine), the pump will operate for approximately 0.5 second and then shut off. The pump will also operate for up to 25 seconds after the starter is engaged, and then disengaged if the engine is not running. The pump shuts off immediately if the key is on and the engine stops running.

Transfer Pump Specifications	
Restriction	Max 6 in hg
Flow	Min 42 ml/second

