This table explains the upgrades to our heavy duty billet converters. Please ask your salesperson about single and multidisc options.

E4OD & 4R100 TORQUE CONVERTERS		
	STOCK	**HEAVY DUTY**
COVER	Thin wall lid design does not dissipate heat well. The grobe cutouts on the sidewall that the lockup plates fit into wear out. This causes chattering and considerable noise in the transmission.	Forged billet lid cover is made with increased thickness in the lockup surface to dissipate heat and increase the life of the lockup friction. Also, the grobe cutouts are made to fit the lockup plates tighter so there is no chance for wear and chatter. On the factory design the lockup friction becomes hot, resulting in wearing and flaking which in turn causes scorching and eventually metal to metal contact.
FRICTION RINGS		Replaced with a brand new set of Luk lockup friction rings and pistons.
TURBINE	The fins are not brazed. After extended use, they come loose from the turbine body and are a cause of noise from the converter.	The fins of the turbine are TIG welded in place so they cannot become loose. This results in added strength and durability.
TURBINE HUB	The splines in the hub strip out.	The hub is replaced with a heat-treated hub resulting in the splines being tough enough to withstand the wear and tear of the input shaft. PTC also brazes the turbine hub assembly to the turbine as well as rivet it in place. This makes sure if there is any rivet cracking the hub remains secure.
STATOR	Has a bakelite stator cap between the stator and primary.	PTC replaces this cap with an aluminum cap and Torrington bearing assembly. The side we replace with the update is always worn from the factory. The bearing assembly creates less friction for the turbine and in turn the turbine operates more efficiently.
PRIMARY	Does not have a heat-treated hub and is not always furnace brazed.	Hub is replaced with a heat-treated hub for more durability and life. Any primary that has not been brazed is TIG brazed so that the fins cannot come loose and be a source of noise.