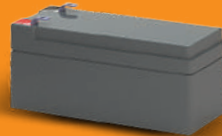


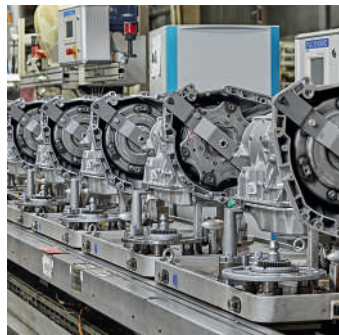
6L50 Mild Hybrid 6 speed transmission

Six speed RWD / AWD, electronically controlled automatic overdrive transmission with torque converter clutch.

Clutch-to-clutch architecture, with integral Electro / Hydraulic Controls Module.



European Research and Development



Assembly on PUNCH Powerglide production lines in Strasbourg



Verification and assembly

Technical specifications

Maximum engine power	235 kW gas & 150 kW diesel
Maximum engine torque	450 Nm gas & 500 Nm diesel
Maximum gearbox torque	650 Nm
Gear ratios	Input speed / Output speed
First	4.06
Second	2.37
Third	1.55
Fourth	1.16
Fifth	0.85
Sixth	0.67
Reverse	-3.20
Maximum shift speed	7000 rpm
Maximum Validated Weights (target)	GVW: 3000 kg / GCWV: 5672 kg GVW: 5000 kg, reinforced park system
7-position quadrant	P, R, N, D, X, X, X (X = available calibratable range position)
Case description	3-piece (Bell, main, extension)
Case material	die cast aluminum
Shift pattern	(2) Three-way on/off solenoids
Shift quality	Five variable bleed solenoid
Torque converter clutch	Variable Bleed Solenoid ECCC
Converter size	240 mm (reference)
Fluid type	DEXRON [®] VI
Fluid capacity: w/ 258 & 300mm converter	9.1 kg
Transmission weight: w/ 258 & 300mm converter	wet: 85-90 kg (187-198 lb) estimated
Pressure taps available	line pressure
Assembly Site	PUNCH Powerglide Strasbourg
Available Control Features	Multiple Shift Patterns (Selectable) Driver Shift Control (Tap Up / Tap Down) Enhanced Performance Algorithm Shifting (PAS) Selectable Tow / Haul Mode Engine Torque Management On All Shifts Altitude and Temperature Compensation Adaptive Shift Time Neutral Idle Reverse Lockout Automatic Grade Braking
Additional Features	OBDII / EOBD Integral Electro/Hydraulic Controls Module (Tehcm) Control Interface Protocol - GMLAN Engine Stop Start (Micro-hybrid) Race function
Mild Hybrid Features	12V 48V compatible (other voltages can also be adapted) BSG (Belt Started Generator) Boost function Recuperation function E creeping Idle Charge