



Allison 3000/4000 Series - Road Test Checklist

Drivability - Verifying proper transmission & support equipment install & operation	
	Approved fluid to be filled to appropriate level
Starting the vehicle to confirm proper response during start up	
	Turn the master/ignition switch on - do not start vehicle
	Confirm "CHECK TRANS" light comes on
	Start the vehicle
	Confirm "CHECK TRANS" light shuts off
	Confirm "N" is displayed in the shift selector
Trouble Codes - Prior to vehicle run	
	Identify false codes that may have been stored in the electronic controls' ECU
	Clear these codes by performing a re-learn (see Drive-Trainer.com's Flush and Flash video)
Road Test Vehicle - Allow electronic control to converge shifts	
	Confirm vehicle only starts in Neutral
	Confirm CHECK TRANS light is functioning properly
	Confirm shift selector display is functioning properly
	Confirm proper function of transmission fluid pressure gauge (if applicable)
	Confirm speedometer is functioning properly
	Confirm temperature gauge is functioning properly (if applicable)
	Confirm reverse warning system is functioning properly (if applicable)
	Confirm transmission fluid level meets specifications (cold, neutral, level)
	Confirm transmission fluid is not leaking
	Confirm correct no-load governed speed of engine
	Adjust governor as needed (refer to mfg's specs for engine-transmission)
	Confirm proper function of output retarder while descending a grade or slowing on a level road (if applicable)
	Confirm proper function of PTO (if applicable) - refer to PTO's owner manual
	Confirm smoothness of transmission upshifts and downshifts through all ranges
	Perform stall test
	Confirm quality of shift
Proper Operation	
	Confirm all components have proper mounting and operation
	Confirm there are no transmission fluid leaks at:

	Gaskets
	Surfaces
	Lines
	Hoses
	Trouble Codes - After vehicle run
	Review electronic control's ECU for existing fault codes after the road test
	Troubleshoot and correct any problems found
	Service & Maintenance
	For detailed service & maintenance instructions refer to the current issue of Allison's service manual
	For detailed electronic control system troubleshooting for to the current issue of Alison's WTEC III