



Allison AT Series - Road Test Checklist

Neutral Start	
	Confirm the selector lever aligns with the mark indicating each range including N (Neutral) and P (Park)
	Confirm proper function of neutral safety switch - starter should only operate when selector lever is in N or P
Instruments	
	Confirm proper function of all instruments associated with the transmission, including the speedometer & transmission oil temperature gauge
Parking Brake	
	Confirm proper function of the application and release of the parking brake
	Confirm the brake is not dragging to heating up while released
	Confirm the brake is fully applied before the lever reaches full travel
Power Takeoff (PTO)	
	Refer to the PTO owner's manual or the vehicle's manufacturer's instructions to ensure proper function
No-Load Governed Speed	
	Confirm the no-load governed speed of the engine
	If necessary, adjust the governor to meet the no-load governed speed (spec available through vehicle manufacturer)
Shift Sequence	
	While driving the vehicle check the wide-open throttle shift points. If adjustment is needed refer to the respective AT service manual
	1-2 upshift occurs within 400 rpm of full load governed speed
	2-3 upshift occurs within 300 rpm of full load governed speed
	3-4 upshift occurs within 200 rpm of full load governed speed
Retarder	
	Confirm proper function at 50 percent to 100 percent apply
	Confirm the retarder enable switch turns off the retarder
	Confirm the retarder only applies at closed throttle
	Confirm low speed cutoff switch turns off retarder in first range
	Confirm the retarder temperature indicator increases rapidly when retarder is applied
	Confirm the brake lights come on when retarder is applied
Transmission Fluid	
	Confirm correct fluid level in N (Neutral) and P (Park)
	Confirm there are no leaks
	Warm transmission and perform a "hot" fluid level check. Ensure vehicle is on a flat surface and transmission in N or P

Other Items	
	Perform a stall check
	Confirm quality of shift