

Power Thresher Troubleshooting

A poorly performing power thresher can reduce profit from the threshing operation for the thresher owner, increases grain losses, can reduce the grain quality and potentially poses a threat to the health of the operators. Proper maintenance of the machine and the identification of the causes of poor performance are important activities for the thresher operator. For trouble shooting a power thresher refer to the table below.

Trouble shooting a power thresher

Problem	Potential Cause	Remedy
Poor threshing	Low cylinder speed	Increase engine speed. For proper threshing drum speed see Error! Reference source not found.
	Cylinder drive belt slipping	If the pulley is warm immediately after stopping, the belt is slipping. Adjust belt tension.
	Worn pegteeth	Rotate teeth half turn or build-up by welding or interchange or replace with new pegs.
	Defective engine	Service or replace engine.
	Hard threshing variety	Use stripper bars.
Too much broken straw on oscillating screen	Over threshing	Remove stripper bars. If problem remains, remove some peg-teeth from cylinder.
	High engine speed	Reduce engine speed.
Grain being blown over the wind-board	Low wind-board inclination	Increase wind-board angle
	Wide blower shutter opening	Reduce blower shutter opening.
	High blower speed	Reduce engine speed.
Threshing cylinder stops	Overfeeding	Open cover and rotate cylinder in reverse by hand and remove clogged materials. (Warning: Ground engine spark plug).
	Loose or damaged belt	Check for damaged belt or idler defect. Change if necessary.
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	Loose or damaged pulley	Check drive and driven pulley for defects, loose or lost screws.
Abnormal metallic chattering sound	Broken peg-teeth or loose straw-thrasher bolts	Inspect cylinder and remove any obstructions found.
Engine trouble	Refer to the engine manual	
Machine stalls	Threshing cylinder clogged with straw	Remove clogged material after stopping engine. Reduce feed rate, especially when threshing wet paddy.
	Spark plug accidentally shorted with straw.	Remove straw and make sure straw is being thrown in same direction as prevailing wind.

For more information contact

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