

Portable Circular Saw Wood Crosscutting - JSA - B

en-US · Technical failure review · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time		Location / area		Assessor		Supervisor	
Team signatures							

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Disconnect and inspect							
HP-2 Secure support and depth							
HP-3 Hold binding or defects							
HP-4 Clean and hand over							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Disconnect and inspect	1. Blade-contact cuts 2. Guard exposure 3. Electrical injury	1. Blade damaged 2. Lower guard sticks 3. Cord or battery defective	1. Check blade and rotation 2. Verify free guard return 3. Inspect supply and switch	1. Blade and fastening condition 2. Guard and switch function 3. Cord battery and housing				
2. Secure support and depth	1. Stock movement 2. Support cut-through 3. Offcut fall	1. Clamps inadequate 2. Underside not checked 3. Drop path unplanned	1. Plan both-piece support 2. Clear underside blade path 3. Lock model-specific depth	1. Kerf and offcut movement 2. Depth and setting locks 3. Blade clearance below				
3. Clear path and prepare	1. Bystander impact 2. Dust exposure 3. Loss of saw control	1. Nearby person enters 2. Extraction not ready 3. Grip or stance unstable	1. Control nearby access 2. Prepare exposure controls 3. Use stable two-hand position	1. People and body position 2. Extraction and PPE 3. Normal unloaded operation				
4. Make straight crosscut	1. Kickback 2. Flying splinters 3. Moving-stock injury	1. Saw twisted in kerf 2. Forced feed 3. Support shifts	1. Keep straight permitted feed 2. Let suitable blade cut steadily 3. Stop for resistance or movement	1. Hands outside blade path 2. Stock and support stability 3. Vibration and capture				
5. Finish and stop	1. Dropped offcut 2. Uncovered-blade contact 3. Saw movement on bench	1. Piece caught by hand 2. Guard return ignored 3. Tool set on blade	1. Keep hands clear of offcut 2. Wait for full blade stop 3. Confirm guard before setdown	1. Blade fully stopped 2. Lower guard returned 3. Safe resting position				
6. Hold binding or defects	1. Repeated kickback 2. Unexpected restart 3. Defective guard reuse	1. Cause not checked 2. Power remains connected 3. Damage overlooked	1. Wait for full stop 2. Disconnect before inspection 3. Resolve support and tool cause	1. Blade guard and saw condition 2. Revised support and clearance 3. Restart evidence				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Blade and fastening condition	☐ Kerf and offcut movement	☐ People and body position
☐ Hands outside blade path	☐ Blade fully stopped	☐ Blade guard and saw condition
☐ Cord battery and housing	☐ Vibration and capture	☐ Restart evidence