

# FAULT FINDING CHART

## Workshop Manual and Fault Finding Chart

### VIBRATION REDUCED DEMOLITION PICKS

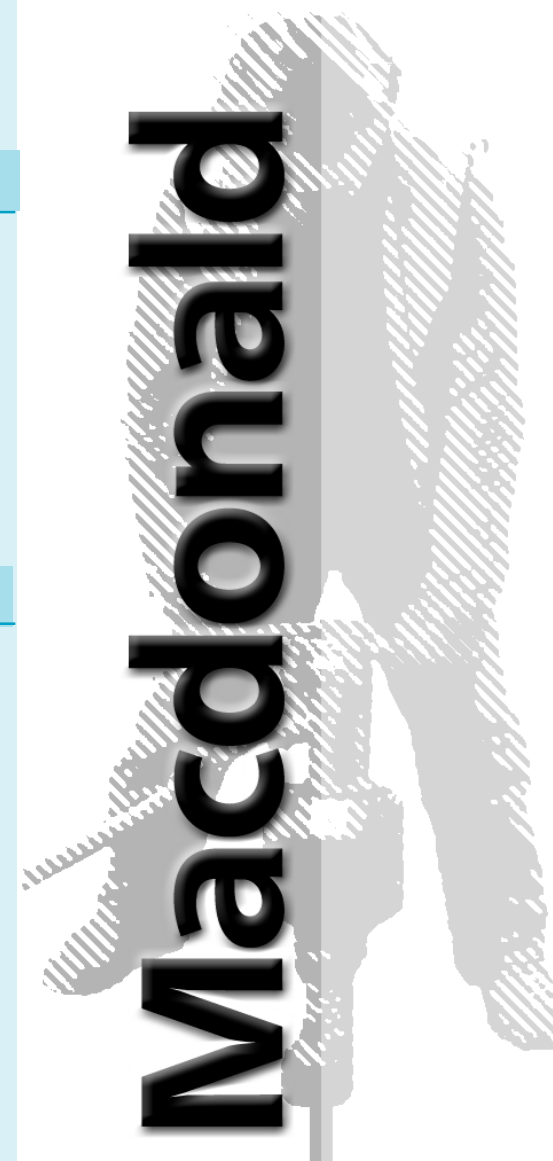
Models: DM11S-VR  
CM11S-VR  
DM12S-VR

FAULT	POSSIBLE CAUSE	CONFIRM CAUSE	REMEDY
1) Tool runs erratically	a) Supply pressure too high	a) Check air supply pressure (maximum 6 bar)	a) Reduce pressure if too high.

FAULT	POSSIBLE CAUSE	CONFIRM CAUSE	REMEDY
2) Tool will not run	a) Piston seized.	a) Remove piston and polish with emery cloth and hone bore of cylinder.	a) Check if piston free in cylinder.
	b) Damaged valve block	b) Check valve, valve seat and valve block.	b) Replace if required.

FAULT	POSSIBLE CAUSE	CONFIRM CAUSE	REMEDY
3) Tool will not stop	a) Throttle valve damaged.	a) Remove nipple connection and examine throttle valve.	a) Replace if damaged.
	b) Throttle valve pin sticking.	b) Remove throttle valve pin and spring	b) Replaced if damaged.

FAULT	POSSIBLE CAUSE	CONFIRM CAUSE	REMEDY
4) Tool runs but with reduced power.	a) Piston/ Cylinder clearance too great.	a) Dismantle and check by measuring.	a) Replace one or both parts as required.
	b) Valve Block, Valve & or Valve Seat worn or otherwise damaged.	b) Dismantle and check.	b) Replace as required.
	c) Inadequate air supply	c) Check size and condition of air Compressor	c) Replace or repair as required.
	d) Low air supply pressure.	d) Breaker too far from air Compressor. Too long or too small hose diameter used.	d) Check with supplier for hose diameter/length relationship.



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# Macdonald Vibration Reduced

## Demolition Picks :

### Models DM11S-VR, CM11S-VR, DM12S-VR

(1) Locate handle in vise by grip portion.



1.

(2) Loosen nuts from screw and remove silencer collar.



2.

(3) Loosen nuts from silencer screws on one side of silencer and remove silencer by opening down loose side and moving sideways.



2A.

(4) Invert tool and grip in vise by lower end of cylinder.



3.

(5) Remove two button head screws from handle top cover and remove cover.



3A.

(6) Loosen shoulder screws and washers using 0.5 M long T.bar and Hex wrench.



4/5.

(7) Lift handle vertically upwards leaving springs sitting on cylinder clamping plate.



6.

(8) Remove springs, cylinder clamping plate and cylinder top cap. Release cylinder from vise, invert and drop out piston.



7.

(9) Grip handle in vise as in step (1) above.



8.

(10) Remove rubber buffer from valve feed pipe.



9.

(11) Loosen cap screws and remove handle clamping plate.



10.

(12) Remove valve feed pipe, valve and valve block to expose preload pad.



11.

Remove throttle valve pin after removing spirol pin.



12.

(13) Reassembly is reverse process.



13.

(14) Use loctite 234 on cap, shoulder and button head screws.



14/15.

(15) Tighten shoulder screws to 260 N.m (150 lbf).

