

Technical Bulletin M1190

▲ Keep this sheet for your records.

Nel-Spot Tree Marking Gun Replacement Parts

No. 55833

Nel-Spot Marking Gun

No. 55909

Dura-Built Marking Gun

Replacement Parts for Nel-Spot and Dura-Built Guns

55902	Gun Body
55903	Spacer Disc Assembly
55904	Gasket
55905	Piston Rod Assembly
55906	Upper Piston Rod
55907	Fluid Tube
55908	Trigger

Tech Support 800-430-5566

If you need more information or would like advice from an experienced professional, call our Technical Support team.

Sales 800-647-5368

Our sales department will gladly fax you an order form, update you on pricing, or take your order over the phone.

Online

www.forestry-suppliers.com

For credit card and open account orders, visit our web site to place your order.



Nel-Spot Tree Marking Gun Replacement Parts

Nelson has taken many steps towards easy maintenance with this tree marking gun. Replacement of most parts is easy with features such as a two-piece piston rod which permits repair of other parts without the removal of the piston rod from the gun and the cup leathers from the cylinder. The reversible .021" diameter nozzle clears the gun when it gets plugged – just reverse the nozzle and pull the trigger. The nozzle cap keeps dirt out, stops paint drip, and prevents dry-in when gun is idle.

Maintenance & Repair Instructions for Nel-Spot Tree Marking Guns

If the Nel-Spot Marking Gun does not function properly, check the following items in the order given:

1. If the trigger does not move or is suddenly very difficult to pull, it is likely the reversible nozzle is plugged. Reverse nozzle and pull trigger. This will usually unplug the nozzle. The cleaning wire on the Cap Assembly (No. 55834) can be used to dislodge dried paint or other tight foreign matter.
2. Inspect the Intake Valve (No. 55853) to see that the Steel Ball (No. 55790) can move freely and seats properly in hole at base of Intake Valve. A broken Intake Valve Spring (No. 55855) can be replaced after unscrewing Intake Valve from Cylinder. Insert the small end of the Spring against the Steel Ball and turn Spring until the large end is completely under the shoulder of the intake valve.
3. If the gun has not been used for some time, the Cup Leathers (No. 55851) may have dried. Often this can be corrected by squirting lubricating oil into the hole at the top of the Cylinder and through the Intake Valve. Pull the trigger several times to work oil into Cup Leathers.

If the gun still does not pump, the cup leathers should be removed and softened by kneading with lubricating oil. Badly worn, nicked or extremely hard cup leathers should be replaced.

4. To remove or replace cup leathers, unscrew Intake Valve from Cylinder. Remove Cotter Pin (No. 55859) to release tension on the Spring (No. 55847). Grasp knurled portion of the Piston Rod and unscrew the Lower Piston Rod (No. 55846). The Lower Piston Rod complete with cup leathers can be removed from Cylinder. Note carefully the manner in which cup leathers and cup leather washers are assembled before removing parts from piston rod.

To reassemble, screw lower piston rod in place and replace spring and cotter pin to hold piston rod in place. Place one Cup Leather Washer (No. 55849) on Piston Rod. Insert one Cup Leather (No. 55851) with cup facing top of gun followed by the second cup leather with cup facing bottom of gun. Use extreme caution to avoid nicking or turning over the edges of cup leathers. The Nel-Spot Gun will not operate efficiently with damaged cup leathers. Replace remaining cup leather washer, the lockwasher (No. 55730) and the Hex Nut (No. 55852). Pull the Trigger to ensure the assembly moves freely and replace intake valve on cylinder.
5. If gun leaks an excessive amount of paint through handle, check the O-Ring (No. 55864) and Retainer (No. 55863) which should hold the Spacer Disc (No. 55842) tightly against the Gun

Technical Bulletin

M1190

▲ Keep this sheet for your records.

Body. Be sure there is a Gasket (No. 55843) between the Adapter (No. 55861) and the Gun Body and that the Adapter is tightened.

To replace O-Ring, unscrew Lower Piston Rod as described above, but do not remove cup leather from Cylinder if not necessary to soften or replace them. Unscrew Cylinder (No. 55850) from Fluid Tube (No. 55862). Slide retainer off Fluid Tube, replace O-Ring

and Retainer and reassemble Cylinder and Piston Rod.

6. If gun leaks between Tube (No. 55837) and Gun Body, the Gasket (No. 55867) is damaged or missing. Do not attempt to stop leakage by over-tightening as this can strip the threads in the Gun Body.
7. If gun only functions when loosened from the paint can, then it most likely is the result of the Adapter Gasket (No. 55860)

being excessively worn or missing. This causes the Intake Valve Assembly (No. 55853) to seal itself against the bottom of the can. Replace or add a new Adapter Gasket to alleviate the problem.

Nel-Spot Marking Gun Replacement Parts

Dia. No.	Stock No.	Description
1	55834	Nozzle Cap
2	55835	1 piece Reversible Nozzle, .021 (nickel finish)
2	55878	1 piece Reversible Nozzle, .029 (brass finish)
3	55836	Retaining Sleeve
4	55837	Extension Tube, 3"
5	55838	Nozzle Cap Holder
6	55839	Trigger Link
7a	55879	Trigger Link Pin
7b	55880	Retainer Ring (2 req.)
8	55841	Body
9	55842	Spacer Disc Assembly
10	55843	Gasket
12	55845	Upper Piston Rod
13	55846	Lower Piston Rod
14	55847	Spring
15	55848	Piston Rod Washer
16	55849	Washer
17	55850	Plastic Cylinder
18	55851	Cup Leather
19	55852	Hex Nut
20	55853	Intake Valve Assembly
21	55854	Intake Valve Steel Ball
22	55855	Intake Valve Spring
23	55730	Lock Washer
24	55857	Washer
25	55790	Steel Ball
26	55859	Cotter Pin
27	55860	Adapter Gasket
28	55861	Adapter
29	55862	Fluid Tube
30	55863	Retainer
31	55864	O-Ring
32	55865	Trigger
33a	55881	Trigger Pin
33b	55882	Snap Ring (2 req.)
34	55867	Gasket

