

Specification
& Parts List

Tools Renewed
Tel: 800-247-3639 Fax: 860-665-9821
Email: sales@toolsrenewed.com
Web: www.toolsrenewed.com

U-Type Multi-Scabblers

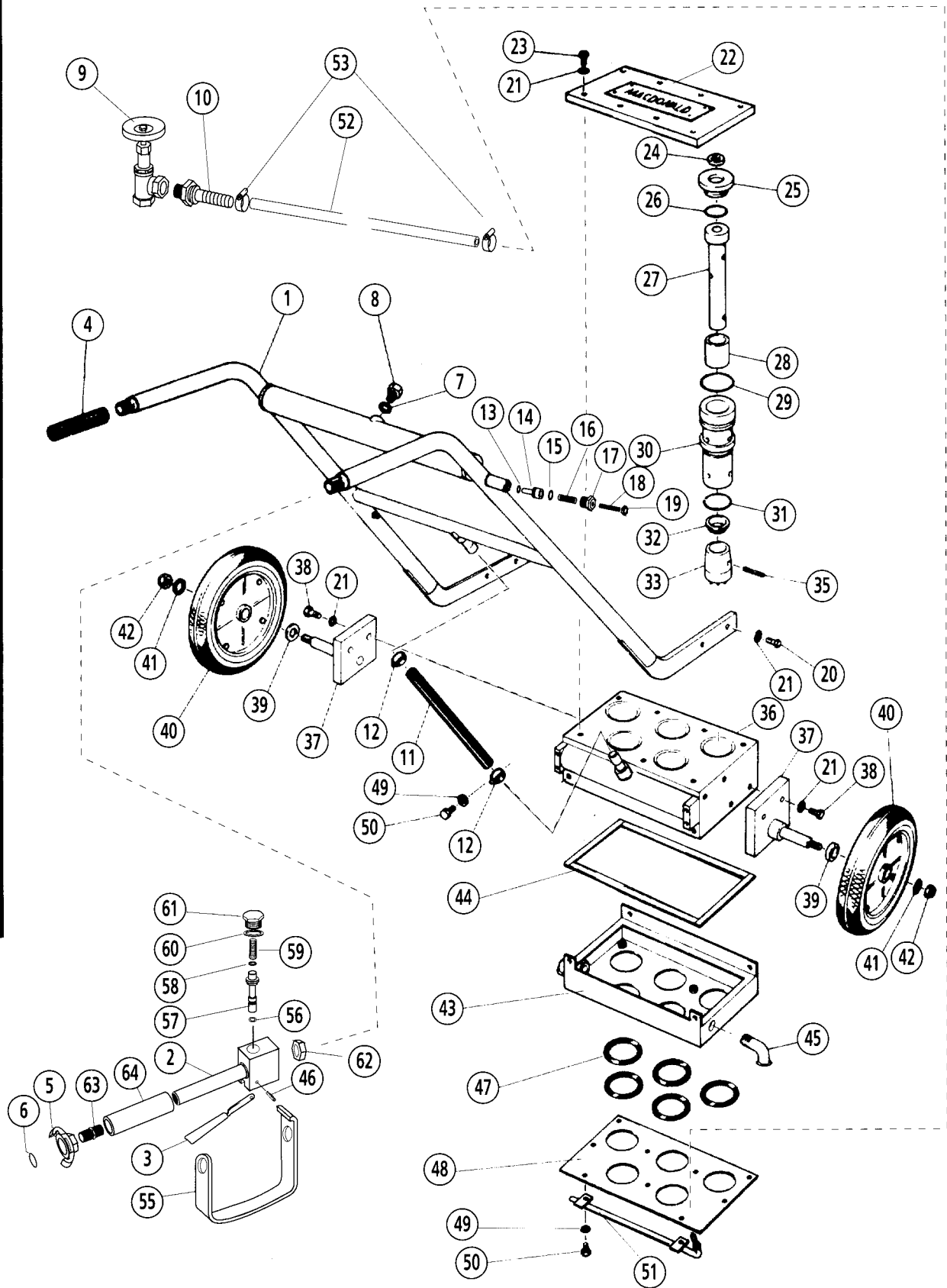


Macdonald
AIR TOOLS

Pneumatic Scabbling Tools are specifically designed for all types of surface work on concrete where it is necessary to carry out surface hammering without in any way damaging the basic concrete.

U-Type Scabblers

Tools Renewed
Tel: 800-247-3639 Fax: 860-665-9821
Email: sales@toolsrenewed.com
Web: www.toolsrenewed.com



Macdonald

GENUINE SPARE PARTS

U-Type Scabblers

#	Tool	Part #.	Description	Qty
1	U3	201801	Handle Frame	1
	U5	202801	Handle Frame	1
	U7	203801	Handle Frame	1
	U11	204801	Handle Frame	1
2	U3,U5,U7,U11	207810	Throttle Valve Body	1
3	U3,U5,U7,U11	109031	Throttle Lever	1
4	U3	201012	Handle Grip	1
	U5,U7,U11	203017	Handle Grip	1
5	U3	904400	Universal Coupling	1
	U5,U7,U11	904401	Universal Coupling	1
6	U3,U5,U7,U11	908001	Universal Coupling gasket	1
7	U3,U5,U7,U11	003023	Oil Reservoir Plug Gasket	1
8	U3,U5,U7,U11	003024	Oil Reservoir Plug	1
9	U3,U5,U7,U11	203018	Control Valve (Air Blow)	1
10	U3,U5,U7,U11	901605	Hose Nipple	1
11	U3	201013	Main Air Hose	1
	U5,U7,U11	203019	Main Air hose	1
12	U3	906101	Hose Clips	2
	U5,U7,U11	906001	Hose Clips	2
13	U3,U5,U7,U11	005005	Oiler Valve Body Seal	1
14	U3,U5,U7,U11	203021	Oiler Valve	1
15	U3,U5,U7,U11	001007	Oiler Valve seal	1
16	U3,U5,U7,U11	203022	Oiler Valve Spring	1
17	U3,U5,U7,U11	203023	Oiler Valve Bush	1
18	U3,U5,U7,U11	203024	Oiler Valve Adjusting Pin	1
19	U3,U5,U7,U11	203025	Adjusting Pin Locknut	1
20	U3,U5,U7,U11	912507	Handle Set Screw	4
21	U3,U5,U7,U11	203026	Lock Washer	13,15,17,21
22	U3	201015	Top Plate	1
	U5	202004	Top Plate	1
	U7	203027	Top Plate	1
	U11	204004	Top Plate	1
23	U3,U5,U7,U11	912507	Top Plate Set Screw	5,7,9,13
24	U3,U5,U7,U11	203028	Top Cap Insert	3,5,7,11
25	U3,U5,U7,U11	203029	Top Cap	3,5,7,11
26	U3,U5,U7,U11	203030	Top Cap Seal	3,5,7,11
27	U3,U5,U7,U11	203031	Piston	3,5,7,11
28	U3,U5,U7,U11	203032	Cylinder Liner	3,5,7,11
29	U3,U5,U7,U11	203033	Cylinder Top Seal	3,5,7,11
30	U3,U5,U7,U11	203034	Cylinder	3,5,7,11
31	U3,U5,U7,U11	203035	Cylinder Bottom Seal	3,5,7,11
32	U3,U5,U7,U11	203036	Wiper Ring	3,5,7,11
33	U3,U5,U7,U11	810019	Piston Bit-9 point (note A)	3,5,7,11
	U3,U5,U7,U11	810019	Piston Bit-5 point (note A)	3,5,7,11
	U3,U5,U7,U11	810009	Piston Bit-cross (note A)	3,5,7,11
35	U3,U5,U7,U11	203037	Piston Bit Pin	3,5,7,11
36	U3	201816	Cylinder Block	1
	U5	202805	Cylinder Block	1
	U7	203838	Cylinder Block	1
	U11	204805	Cylinder Block	1

#	Tool	Part #.	Description	Qty
37	U3	201819	Axle Block	2
	U5,U7,U11	203841	Axle Block	2
38	U3	912507	Axle Block Set Screw	4
	U5,U7,U11	912510	Axle Block set screw	4
39	U3,U5,U7,U11	203043	Wheel Distance Piece	4
40	U3	201020	Wheel 8" dia	2
	U5,U7,U11	203044	Wheel 10" dia	2
41	U3,U5,U7,U11	203045	Wheel Washer	2
42	U3,U5,U7,U11	002008	Wheel Locknut	2
43	U3	201821	Shroud Body	1
	U5	202807	Shroud Body	1
	U7	203846	Shroud Body	1
	U11	204807	Shroud Body	1
44	U3	201022	Shroud Sealing Strip	1
	U5	202008	Shroud Sealing Strip	1
	U7	203047	Shroud Sealing Strip	1
	U11	204008	Shroud Sealing Strip	1
45	U3,U5,U7,U11	203048	Exhaust Elbow Outlet	2
46	U3,U5,U7,U11	109036	Throttle Lever Pivot Pin	1
47	U3,U5,U7,U11	203050	Shroud Sealing Ring	3,5,7,11
48	U3	201023	Shroud Plate	1
	U5	202009	Shroud Plate	1
	U7	203051	Shroud Plate	1
	U11	204009	Shroud Plate	1
49	U3,U5,U7,U11	203052	Lock Washer	12,15,16,20
50	U3,U5,U7,U11	912103	Shroud Set Screws	12,15,16,20
51	U3	201824	Air Blow Pipe	1
	U5	202810	Air Blow Pipe	1
	U7	203853	Air Blow Pipe	1
	U11	204810	Air Blow Pipe	1
52	U3,U5,U7,U11	203055	Air Blow Hose	1
53	U3,U5,U7,U11	906000	Hose Clip	2
54	U3,U5,U7,U11	615012	Wheel Dust seal (not illustrated)	4
55	U3,U5,U7,U11	207016	Trigger Guard	1
56	U3,U5,U7,U11	005007	Throttle Valve Stem Seal	1
57	U3,U5,U7,U11	109046	Throttle Valve Stem	1
58	U3,U5,U7,U11	109039	Throttle Valve Seal	1
59	U3,U5,U7,U11	023046	Throttle Valve Spring	1
60	U3,U5,U7,U11	109043	Seal	1
61	U3,U5,U7,U11	109033	Throttle Valve Plug	1
62	U3,U5,U7,U11	203049	Lock Nut	1
63	U3,U5,U7,U11	901007	Nipple	1
64	U3,U5,U7,U11	007005	Handgrip	1

Note A The Piston Bits, 9 Point (810019), 5 Point (810025) and Cross (810009) are alternatives to each other.

Tools Renewed

Tel: 800-247-3639 Fax: 860-665-9821

Email: sales@toolsrenewed.com

Web: www.toolsrenewed.com

Maintenance :

The multi-tool range consists essentially of multiple scabbling units incorporated in a single block. These provide the most efficient and economical means of scarifying roads, bridges, airport runways, factory floors, or similar large areas where it is required to expose the aggregate prior to top surfacing.

The range consists of models U3,U5,U7,U11 which have 3,5,7 &11 units respectively but are otherwise based on the same principles. The machines are mounted on wheels for ease of transportation, but while the machines are operating the wheels rise clear of the working surface and the machines virtually float, enabling them to be manipulated with ease in a scything motion. Tram type handles designed to give balanced control, together with conveniently placed "on/off" valve, makes machine operation extremely simple for the operator.

Lubrication

The tools require regular and adequate lubrication for long life and efficient operation. Special attention should be paid to lubrication during the running-in period of a new tool. The tool is running at top speed and full power right from the start and lack of lubrication during this period can severely damage the Piston and Cylinder. It is essential that the oil reservoir is kept topped up at all times. Give the tool a short burst to allow the oil to penetrate to the working parts and get rid of excess oil before commencing normal work. This procedure should be carried out every morning before commencing work, even when an air line lubricator is fitted, as it ensures adequate starting lubrication at the working parts. Ensure that only clean oil of the correct grade is used for lubrication. A heavy or dirty oil is useless as it will only gum up the tool.

Recommended Oil:

SHELL	Clavus 25
BP	Energol LPT 80
ESSO	Zerice 46
MOBIL	Almo 525

Tools Renewed

Tel: 800-247-3639 Fax: 860-665-9821

Email: sales@toolsrenewed.com

Web: www.toolsrenewed.com

Wiper Ring.

The Piston Wiper Ring (part No. 203036) should be examined frequently and replaced if showing signs of wear. This ring protects the Cylinder and Piston from the ingress of dirt and grit and if allowed to deteriorate will considerably accelerate the wear on these parts.

General.

Always blow out the hose before coupling to the tool to prevent dirt or other foreign matter being carried into the air-stream. Ensure all screwed parts and connections are kept tight. Looseness causes air losses, vibration, and general inefficiency. Always blow the tool down after use and generally keep the tool as clean as possible. Concrete dust and particles are extremely abrasive and can cause considerable damage to the working parts.

As a regular maintenance, the tool should be taken apart by a competent Maintenance Engineer and the Cylinder and piston thoroughly cleaned in paraffin or petrol. After cleaning thoroughly, oil the piston and cylinder before re-assembling. Ensure all assembled parts are properly tightened before operating the tool.

When using the tool try to ensure that it is maintained in a perpendicular position and delivers a square blow to minimise any side loading effect on the Bit or Piston.

Alternative type bits can be used with the tool, viz. 5-point or 9-point bits or 4 point cross bits. It is usually found that 5 or 9 point bits are best for scarifying or laitence removal while the 4-point cross bits do a better job on heavier surface removal or digging.

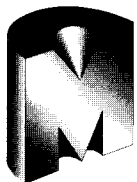
Bits are secured to the pistons by spring pin fasteners. To change bits knock out pin fastener then remove bit from piston taking care not to damage the piston in the process. Always ensure pin fastener is replaced after changing the bit and if fastener is at all damaged replace with a new one.

Warning

NEVER ATTEMPT TO CHANGE A CHISEL, MOIL, ASPHALT CUTTER OR OTHER ACCESSORY ON A PNEUMATIC TOOL UNLESS THE TOOL HAS BEEN COMPLETELY DISCONNECTED FROM THE AIR SUPPLY.

Specifications:

MODEL	Overall length including Handle ins (mm)	working width over bits ins (mm)	Total width over Wheels ins (mm)	Height Ground to Handles ins (mm)	Rec'd Compressor size C.M.F. (L/Sec)	Hose Size ins (mm)	Machine Weight 1bf (Kg)	Scabbling Rate Ft ² /hr (M ² /hr) X 1/8" (3mm) deep	Digging Rate Ft ² /hr (M ² /hr) X 1" (25mm) deep
U3	50 (1270)	5.5/8 (143)	17 (432)	33 (838)	100 (48)	3/4 (19)	125 (57)	135-202 (12.5-19)	18 (2)
U5	50 (1270)	11.1/4 (286)	25 (635)	33 (838)	150 (70)	1 (25.4)	214 (97)	225-338 (21-31)	27 (2.5)
U7	50 (1270)	15.3/4 (400)	30 (762)	33 (838)	200 (95)	1 (25.4)	266 (121)	315-472 (29-44)	40.5 (4)
U11	50 (1270)	19 (483)	33 (838)	33 (838)	300 (142)	1 (25.4)	308 (140)	495-742 (46-69)	63 (6)



MACDONALD AIR TOOL CORPORATION

