

PARTS LIST

When ordering, please specify Part No.

ITEM NO.	PART NO.	DESCRIPTION	QTY.	ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	54-1206	GUN HEAD	1	27	54-760	TRIGGER STUD	1
2	54-3693	GUN BODY	1	28	54-747■●	AIR VALVE PACKING	1
3	54-1091	FOUR FINGER TRIGGER.....	1	29	47-345★	NEEDLE STEM ASSEMBLY	1
4	54-806	PLUG.....	1			(See Chart, page 3)	
5	54-1221▲	MATERIAL CONTROL HOUSING	1	30	★	(See Chart, page 3)	
6	★	FLUID NOZZLE, 57SS, 58SS	1	31	54-768	AIR CONNECTION	1
		(See Chart, page 3)		32	54-714	PLUG.....	1
7	54-1209★	NEEDLE (See Chart, page 3).....	1	33	54-918●	AIR NOZZLE GASKET	1
8	54-751■	AIR VALVE BODY	1	34	★	R27SS, R30SS (See Chart, page 3).....	1
9	54-744■●	AIR VALVE	1	35	54-1224★	RETAINER RING (See Chart, page 3).....	1
10	54-723●	FLUID CONTROL SCREW GASKET	1	36	★	FLUID NOZZLE, 59 SERIES.....	1
11	54-839▲●	SPRING.....	1			(See Chart, page 3)	
12	54-725▲	MATERIAL CONTROL SCREW	1	37	54-2065★	RETAINER RING (See Chart, page 3).....	1
13	54-1223▲	FLUID CONTROL ASSEMBLY.....	1	38	46-2101★	AIR NOZZLE, 101 (See Chart, page 3).....	1
14	54-710	SCREW.....	1	39	54-1584★	RETAINER RING (See Chart, page 3).....	1
15	54-750●	SPRING-AIR VALVE.....	1	40	54-1583★	BASE (See Chart, page 3)	1
16	54-1341■	AIR VALVE ASSEMBLY	1	41	45-6801★	FLUID NOZZLE, 68SS (See Chart, page 3) ...	1
17	54-726▲	MATERIAL CONTROL SPRING RETAINER	1	42	54-3871	GUNNERS MATE (Not shown).....	1
18	54-1220●	NEEDLE PIN	1	43	82-469	ROUND BRUSH (Not shown)	1
19	20-1237	NEEDLE COLLAR SCREW.....	1				
20	54-1210●	NEEDLE COLLAR	1				
21	73-9●	PACKING.....	2				
22	54-817	PACKING NUT	1				
23	54-749●	AIR VALVE ASSEMBLY GASKET.....	1				
24	54-1213▲	SPRING RING	1				
25	54-1340■	PACKING NUT	1				
26	54-759	TRIGGER SCREW	1				

★When ordering, please specify Part Number stamped on nozzle. See also Nozzle Selection on page 3.

▲ Parts included with assembly Item 13.

■ Parts included with assembly Item 16.

● Parts included in Repair Kit 6-1304.

In this part sheet, the words **WARNING**, **CAUTION** and **NOTE** are used to emphasize important safety information as follows:

⚠ WARNING
 Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

⚠ CAUTION
 Hazards or unsafe practices which could result in minor personal injury, product or property damage.

NOTE
 Important installation, operation or maintenance information.

⚠ WARNING

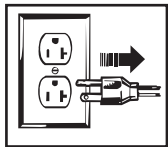
Read the following warnings before using this equipment.



READ THE MANUAL
 Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.



WEAR SAFETY GLASSES
 Failure to wear safety glasses with side shields could result in serious eye injury or blindness.



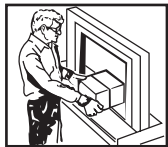
DE-ENERGIZE, DISCONNECT AND LOCK OUT ALL POWER SOURCES DURING MAINTENANCE
 Failure to De-energize, disconnect and lock out all power supplies before performing equipment maintenance could cause serious injury or death.



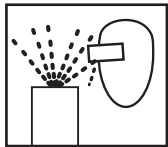
OPERATOR TRAINING
 All personnel must be trained before operating finishing equipment.



EQUIPMENT MISUSE HAZARD
 Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.



KEEP EQUIPMENT GUARDS IN PLACE
 Do not operate the equipment if the safety devices have been removed.



PROJECTILE HAZARD
 You may be injured by venting liquids or gases that are released under pressure, or flying debris.



PINCH POINT HAZARD
 Moving parts can crush and cut. Pinch points are basically any areas where there are moving parts.



AUTOMATIC EQUIPMENT
 Automatic equipment may start suddenly without warning.



INSPECT THE EQUIPMENT DAILY
 Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.



NEVER MODIFY THE EQUIPMENT
 Do not modify the equipment unless the manufacturer provides written approval.



KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY



PRESSURE RELIEF PROCEDURE
 Always follow the pressure relief procedure in the equipment instruction manual.



NOISE HAZARD
 You may be injured by loud noise. Hearing protection may be required when using this equipment.



STATIC CHARGE
 Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.



FIRE AND EXPLOSION HAZARD
 Never use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in equipment with aluminum wetted parts. Such use could result in a serious chemical reaction, with the possibility of explosion. Consult your fluid suppliers to ensure that the fluids being used are compatible with aluminum parts.



PROP 65 WARNING
 WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PROVIDE THIS INFORMATION TO THE OPERATOR OF THE EQUIPMENT.

**FOR FURTHER SAFETY INFORMATION REGARDING BINKS AND DEVILBISS EQUIPMENT,
 SEE THE GENERAL EQUIPMENT SAFETY BOOKLET (77-5300).**

INSTRUCTIONS

CONTROLLING THE FLUID

Rate of fluid output is controlled by fluid pressure either from a pressure tank or a fluid handling pump. It can also be controlled at the gun by the fluid valve control screw (13). This, however, is advisable only when a momentary change of fluid is needed.

REPLACING THE FLUID NEEDLE PACKING

1. Remove air and fluid nozzles from gun.
2. Loosen set screw (19) in needle collar (20).
3. Remove fluid needle (7 or 29).
4. Unscrew fluid packing nut (22) and take out old packing (21).
5. Place a few drops of oil (42) on new packing and insert it into gun in place of old packing.
6. Screw on fluid packing nut, but do not tighten.
7. Replace fluid needle, fluid and air nozzles.
8. Tighten packing nut until needle movement is restricted, then loosen approximately 1/2 to 3/4 turn.

FAULTY SPRAY

Faulty spray is caused by dry residue of the fluid material accumulated around the fluid nozzle tip or inside the air nozzle. Soak these parts in a solvent that will soften the dry residue, then remove it with a brush or cloth.

⚠ CAUTION

NEVER use metal probes to clean the air or fluid nozzle because they can scratch and burr the precision machined surfaces and cause faulty spray.

If either the air or fluid nozzle is damaged so as to give faulty spray, it must be replaced.

AIR LEAKING THROUGH THE GUN

This is caused by a worn air valve stem (9) or dirt on the air valve seat (8). Air leaks around the valve stem of the gun can be stopped by replacing the packing (28). To clean the seat, remove the trigger (3) and the air valve body (8).

CLEANING THE GUN

Shut off the air supply to the pressure tank and release its pressure. Loosen air nozzle. Hold a piece of wadded cotton or rag over the gun nozzle and pull the trigger. The air will back up through the fluid nozzle and force fluid out the hose into the tank. Replace the paint in the pressure tank with clean solvent and spray it through the gun until the gun is clean. Dry out the residual solvent in the fluid hose by blowing air through it.

FLUID NOZZLE & NEEDLE ASSEMBLY

This spray gun uses a very wide variety of standard nozzles. Its function is to spray medium to heavy coatings with up to 1 mm aggregate coatings.

Typical Material	Fluid & Air Nozzle	Type	Spray Pattern	CFM	PSI
Block filler	57SS X R27SS	PI	8	9.0	50
Light texture	58SS X R27SS	PI	8	12.0	50
Heavy texture	68SS X 206	PI	15	9.8	50

Fluid Nozzle Orifice Sizes

68SS	57SS	58SS	59ASS	59BSS	59CSS
.110	.218	.281	.171	.218	.281

Nozzle Selection Chart (7D)

Fluid x Air Nozzle Combination	Air Flow Required at 50 PSI (CFM)	Maximum Pattern (Width at 8")	Shape of Spray	Needle
+68SS x 101	6.75	13"	Fan	54-1209
*57SS x R-27	9	8"	Fan	54-1209
*58SS x R-30	12.2	8"	Fan	54-1209
59ASS x 244	11.5	11"	Fan	47-345
59BSS x 250	11	—	Round	47-345
59BSS x 252	11.5	7"	Fan	47-345
59CSS x 262	11	7"	Fan	47-345

*Requires 54-1224 retainer ring. 200 Series air nozzles requires 54-2065 retainer ring.

+Requires 54-1583 base and 54-1584 ring.

WARRANTY

This product is covered by Binks' 1 Year Limited Warranty.

Binks Sales and Service: www.binks.com

BINKS

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77-2670R-6 Revisions: Trademark updates.