



F5 PaintShaker

Installation and Instruction Manual

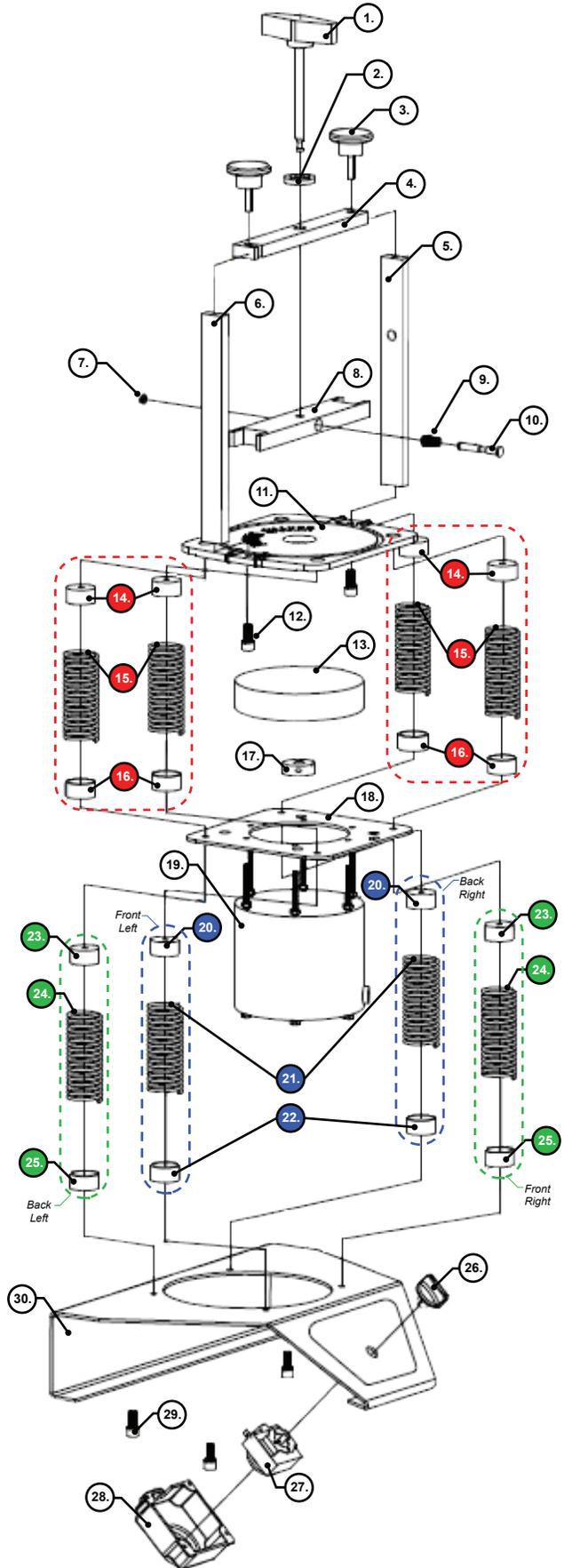


F5 Paint Shaker

877-862-7049

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F5 Paint Shaker Parts Diagram:



1. Holding Down Bolt
2. Jam Nut
3. Fixing Bolt
4. Adapter Plate
5. Right Side Support Plate
6. Left Side Support Plate
7. Spindle
8. Batten
9. Pull Off Spring
10. Lock Pin
11. Support Plate for Plate Can
12. M8 Inner Hexagon Screw
13. Bonnet
14. Fixed Block for Spring #3
15. Spring #3
16. Fixed Block for Spring #3
17. Eccentric Wheel
18. Fitting Plate for Motor
19. Motor
20. Fixed Block for Spring #2
21. Spring #2
22. Fixed Block for Spring #2
23. Fixed Block for Spring #1
24. Spring #1
25. Fixed Block for Spring #1
26. Knob for Timer
27. Timer
28. Timer Cover
29. M5 Screw
30. Base

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Before You Begin: Safety Instructions

1. Make sure that are in which you are operating the machine has adequate ventilation.
2. If the machine's electrical cords are damaged (frays, etc.), do not use the machine.
3. Operate the machine only on solid, level, open-area surfaces.
4. Check for leaks or deformations in the can before shaking. Do not shake a damaged can, and check regularly for damages during the mix cycle.
5. Do not leave the room while the machine is in use.
6. Unplug the machine while not in use or while you are working on it.

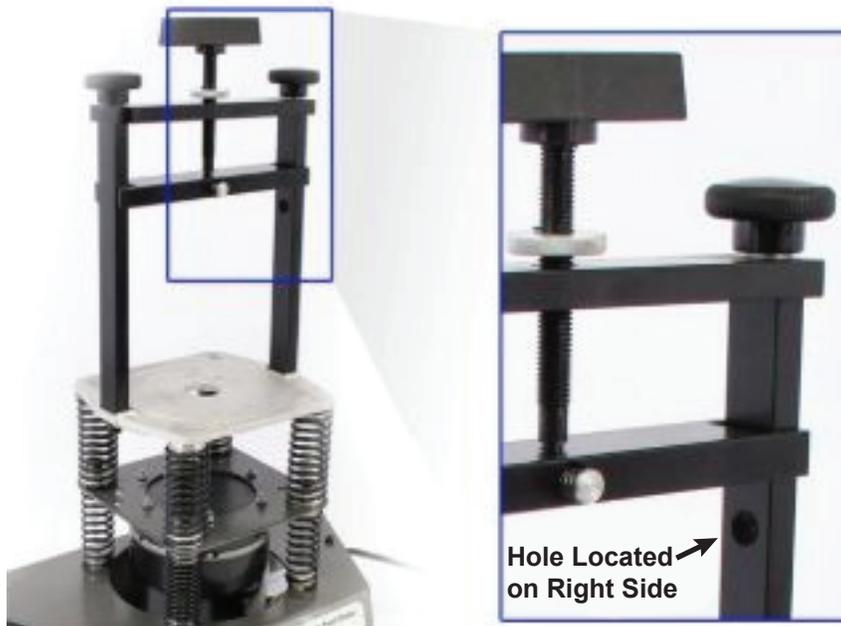
Tools Needed for Installation of Springs

- $\frac{3}{16}$ " hex key
- $\frac{5}{32}$ " hex key
- Channel-lock pliers

Initial Machine Setup

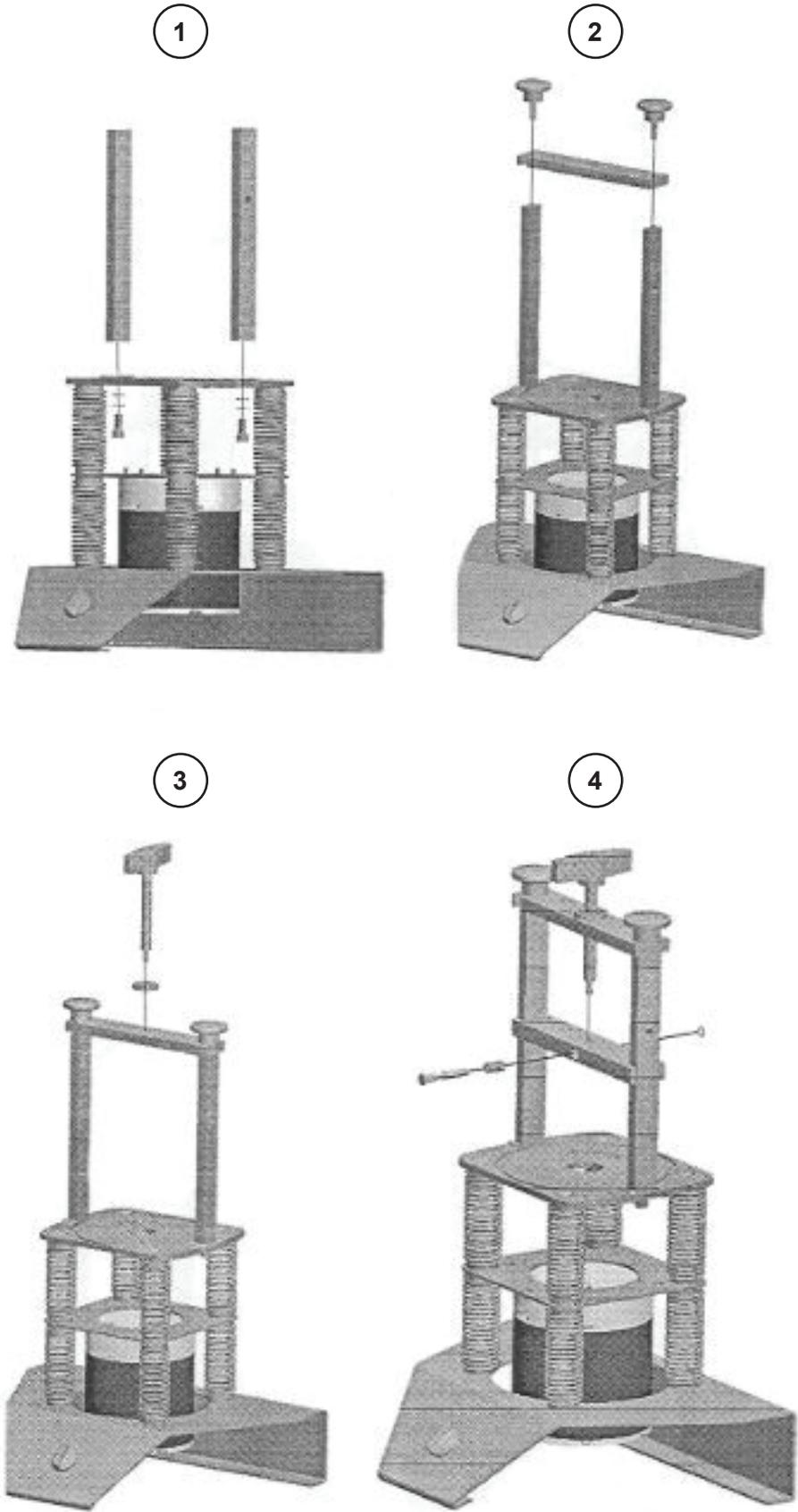
1. Unpack machine and all parts and places on solid, level, open-area surface.
2. Ensuring that the side hole is located on the right side, fasten the bracket assembly to the platform. (Fig. A) If the bracket assembly is not pre-assembled, please follow the diagrams below (Fig. B) to assemble it.
3. Plug in the cord, making sure it is not in the path of any obstructions.
4. Familiarize yourself with the operating instructions, and place them where you can see them while operating the machine.

Fig. A:



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Fig. B:

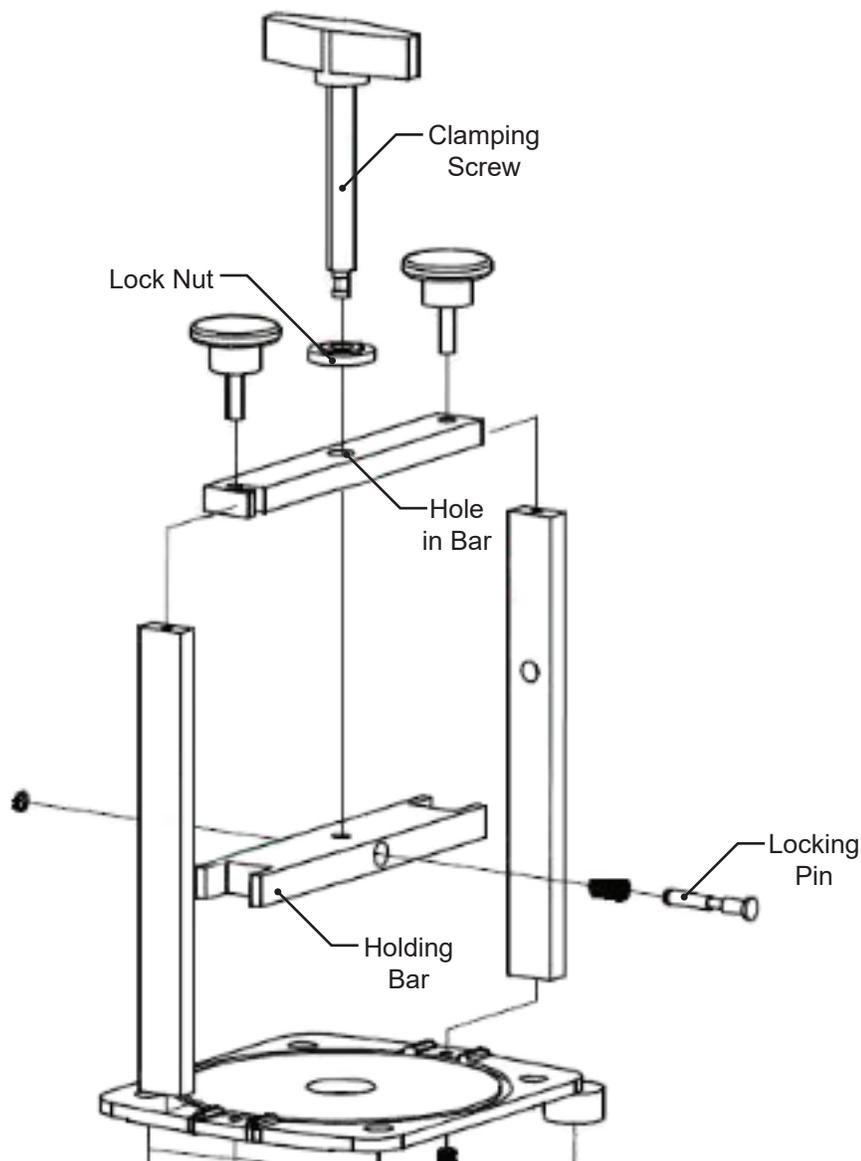


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Operating Instructions

1. Locate the clamping screw (Part #1), insert it into the lock nut (Part #3) and then into the hole in the bar (Part #4). Then insert the whole apparatus into the holding bar (Part #7) while pushing in the locking pin (Part #8). (Fig. C)
2. Place your paint can into the machine and turn the clamping screw until the can is securely fastened by the holding bar, leaving the lock nut free.
3. When you have secured the paint can, turn the lock nut down until it tightens to the bar. Try giving both the nut and the clamping screw an extra $\frac{1}{4}$ turn at the same time to ensure that it is tight. (Fig. D)
4. Rotate the timer switch (Part #30) to start the motor. Set the timer for two minutes longer than intended mix time. User trial and error with varying times to find your optimal mixing time.

Fig. C:



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Fig. D:



Instructions for Rectangular Cans:

NOTE: Place full rectangular gallons of primer to the left side of the platform rather than the center.

1. Set aside the holding bar and clamping screw.
2. After loosening the knobs (Part #2), slide the right side of the top bar toward the front of the machine using the slot in the right end of the top bar to guide you. (Fig. E)
3. Keeping the top bar between the handle and the spout, slide the can onto the platform of the machine.
4. When the can is centered evenly on the platform, tighten the knobs until the can is securely clamped.

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Fig. E:



Diagram for Pint Cans (Fig. F) and Aerosol Cans (Fig. G):

Fig. F:



Fig. G:



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How to Install the Springs

NOTES: There are two kinds of springs, lower (Part #21 and #24) and upper (Part #15) and each type is sold in factory-matched sets of four. When one spring in the set becomes damaged, the other three springs wear out faster as well, so you should replace all four.

Scratching or other damage to the spring wire during installation will cause the spring to wear out faster.

The springs work in diametrically opposing pairs. Thus, each pair of springs should be adjusted at the same time and in an equal amount.

Lower Springs

1. Installation:
 - a. Find the first pair of springs, the two with the wide coil spacing, and use two cap screws to attach them to the right front and the left back of the frame.
 - b. Find the second pair of springs, the two with narrower coil spacing, and attach them to the left front and right back as you previously did.
2. Adjustment: Only the upper springs will need adjustment, not the lower ones. Replacement of lower springs may require adjustment of upper springs; Please read "How to Check the Spring Adjustment" for instructions on this.

Upper Springs

1. Installation:
 - a. You will find that a $\frac{3}{16}$ " hex key fits through the threaded spring mount hole into the cap screw that is assembled inside the spring. The screw will fit through the mid-plate and threads into the lower spring's top mount.
 - b. Locate the two shortest springs and install them on the left front and right back.
 - c. Located the two longest springs and install them on the right front and left back.
 - d. Use four flat head cap screws to fix the can platform to the springs and ensure that the screws are secure.
2. Adjustment: The springs are threaded onto the top spring mounts to provide for optimal adjustment for shaking. If your springs have already been factory adjusted and they are too stiff to shake, you will need to readjust the springs (back them off) before operating the machine.

How to Back Off the Springs

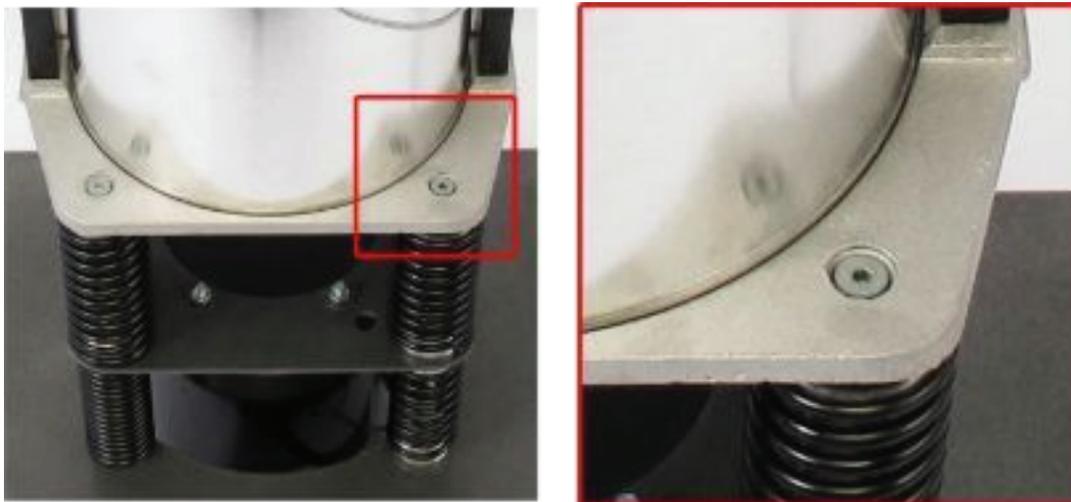
Before proceeding to back off springs, ensure that you have fully installed the springs and platform.

1. Carefully use a pair of pliers to grasp the top of the spring until the jaw catches onto the end of the spring coil, making sure you do not gouge the spring wire. This will slightly open the spring so that you can back it off the mount.
2. Back each spring off about $\frac{1}{4}$ turn and loosen the four flat head cap screws on the platform. The springs will then snap back.
3. Retighten the four screws. Continue this until the end of each spring is $\frac{1}{4}$ " away from the platform. **DO NOT BACK THE SPRINGS COMPLETELY OFF THE MOUNTS.**

How to Adjust the Springs

1. To check if the springs need adjustment, place a full can of paint onto the platform, secure it, and turn on the paint shaker. If you hear any clattering, there are loose springs that need adjustment. If not, proceed to the next step ("How to Check the Spring Adjustment").
2. To determine which springs need adjustment, observe how the shaker's mid-plate moves while it's on. If the right side moves more, tighten the right front and left back springs (Fig. H). If the left side moves more, tighten the left front and the right rear springs. If both sides move, tighten all four springs.
3. Turn off the machine before you tighten the springs. Take hold of the loose spring and tighten it $\frac{1}{4}$ turn into the end mount. Then tighten that spring's diametrically opposite spring the same amount. Loosen the flat head cap screws on the springs you have tightened, let the spring snap back, and then retighten the screws.
4. Turn on the machine again and once again observe if either side moves more than the other. If so, repeat the procedure (always going $\frac{1}{4}$ turn at a time) until the machine operates evenly on both sides.

Fig. H:



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How to Check the Spring Adjustment

1. Start the machine and listen for clattering. If there is a clattering noise, go back to the “How to Adjust the Springs” section. If there is no noise, proceed with the following directions.
2. First, adjust all springs as necessary until the mid-plate moves in a uniform matter while the machine is on. To do this, check for a few things. If one side moves more than the other, the front spring on the side and its opposite spring needs to be backed off and the spring set that moves more needs to be tightened. Refer to previous sections, “How to Back Off the Springs” and “How to Adjust the Springs” to do this. You may proceed to the next step when the mid-plate moves uniformly.
3. Turn on the machine and pay attention to the platform’s side to side movement. If the machine moves more than $\frac{7}{8}$ ” on both sides, tighten all springs $\frac{1}{8}$ turn. If it moves less than $\frac{3}{4}$ ” on both sides, back off all springs $\frac{1}{8}$ turn. You will know that the shaker is properly adjusted if there is no clattering, the mid-plate moves uniformly, and the mid-plate moves $\frac{3}{4}$ ”.

Maintenance

NOTE: If you do not adhere to maintenance guidelines your warranty will be voided.

1. Clean paint splatters or spills off of the machine before they dry.
2. Regularly check the fasteners to make sure they are secure.
3. Check cords for damage; replace damaged cords before operating the machine again.