PO-019 Anchored boot-brush dock

Keep a purchased manual boot brush from sliding during dry debris removal; this is not a disinfecting footbath.

Controlling dimensions: US inches and feet. Metric equivalents are references. Original editorial design; no physical build, animal trial or load certification is claimed.

Before marking and cutting

Read every step and identify the installed orientation. Make the component off-site with birds excluded.

Measure the actual receiving space, chosen commercial accessories and access route. Stop if the example does not fit; changing only one member can invalidate the assembly.

Reject split, warped, moldy or chemically contaminated stock. Keep exposed mesh cut ends and all sharp fasteners inaccessible to birds.

The drawing dimensions control; illustrations are not full-size templates. Allow a saw kerf between parts when laying out stock.

Use limits

No person may stand or sit on this component. No tested load rating is claimed.

A site-specific safe location and supervision are required; remove it if birds become trapped, peck damaged material, or cannot use their normal feed, water, shelter and escape routes.

Materials and finished cuts

Part	Qty	Size to cut	Material and detail
A Dock plate	1	18 × 12 × 3/4 in 457.2 × 304.8 × 19.05 mm	Exterior-bond plywood, measured actual thickness. Square ends; remove splinters.
B Brush locating cleat	2	10 × 1 1/2 × 3/4 in 254 × 38.1 × 19.05 mm	Untreated sound straight softwood. Square ends; remove splinters.
C Rear locating stop	1	7 × 1 1/2 × 3/4 in 177.8 × 38.1 × 19.05 mm	Untreated sound straight softwood. Square ends; remove splinters.

Hardware and consumables

8 × #8 corrosion-resistant exterior wood screw 1 1/4 in (31.75 mm). Cleats and stop. Use compatible coatings/metals and the maker's pilot-hole guidance; do not substitute drywall screws.

1 × Complete manual boot brush with its approved mounting hardware. Actual maximum base 7 × 8 1/2 in

4 × Substrate-specific flush-head floor anchor. Actual floor must be inspected; no anchor specified universally

Tools

Tape measure, square and pencil; Saw appropriate to material and work supports; Drill/driver, countersink and pilot bits selected for the screws; Clamps, sanding block and eye/hearing protection; dust control appropriate to the material

Primary context and design record

Context references; not design endorsements or certifications.

S2 · Build a Clean Routine · USDA APHIS Defend the Flock

Assembly and first checks

The large drawing plates follow the instructions in this same PDF. Read the cut list and match part IDs before cutting. Print with automatic page orientation; use written dimensions rather than measuring the printed drawing.

01 Choose a dedicated poultry entry cleaning area with a firm cleanable floor and a safe handhold nearby; do not put the dock across a doorway or escape route.

02 Select a bought nonpowered boot-brush base no larger than 7 × 8 1/2 in (177.8 × 215.9 mm) with its own mounting holes; confirm it can be cleaned according to its instructions.

03 Cut A to 18 × 12 in (457.2 × 304.8 mm) from actual 3/4 in plywood. Round the plate corners so a boot will not strike a sharp point.

04 Cut two B cleats to 10 × 1 1/2 in and C to 7 × 1 1/2 in from actual 3/4 in stock.

05 Mark B at x = 4–5 1/2 in and 12 1/2–14 in, both from y = 1–11 in; this leaves a 7 in wide brush bay.

06 Fasten each B through A from below with three 1 1/4 in screws at y = 2, 6 and 10 in (50.8, 152.4 and 254 mm).

07 Fit C between B at y = 9 1/2–11 in; use two 1 1/4 in screws from below. The front of the bay remains open for debris removal.

08 Set the empty bought brush into the bay, transfer its own mounting holes and attach it using manufacturer-approved smooth-ended hardware; do not rely on the cleats alone to retain it.

09 Mark four floor-anchor holes in A at 1 in from each corner. Select removable anchors for the actual inspected substrate; stop if the floor cannot securely receive them.

10 Install the dock, ensuring no anchor head protrudes into a foot path. Test the empty brush in all normal cleaning directions while holding the nearby handhold.

11 Use for initial dry debris removal only, wearing dedicated poultry footwear. Follow the separate actual biosecurity routine; do not pour disinfectant onto the wood dock.

12 Remove trapped organic material after use. Unfasten and dry the dock for thorough cleaning, and replace split or permanently damp stock.

Acceptance and intermediate checks

Bay measures 7 in wide and 8 1/2 in deep ahead of the rear stop; actual brush base fits.

Every underside screw point stays inside the 1 1/2 in plate/cleat stack.

The floor-retained dock cannot slide during its intended use; placement creates no trip/egress hazard.

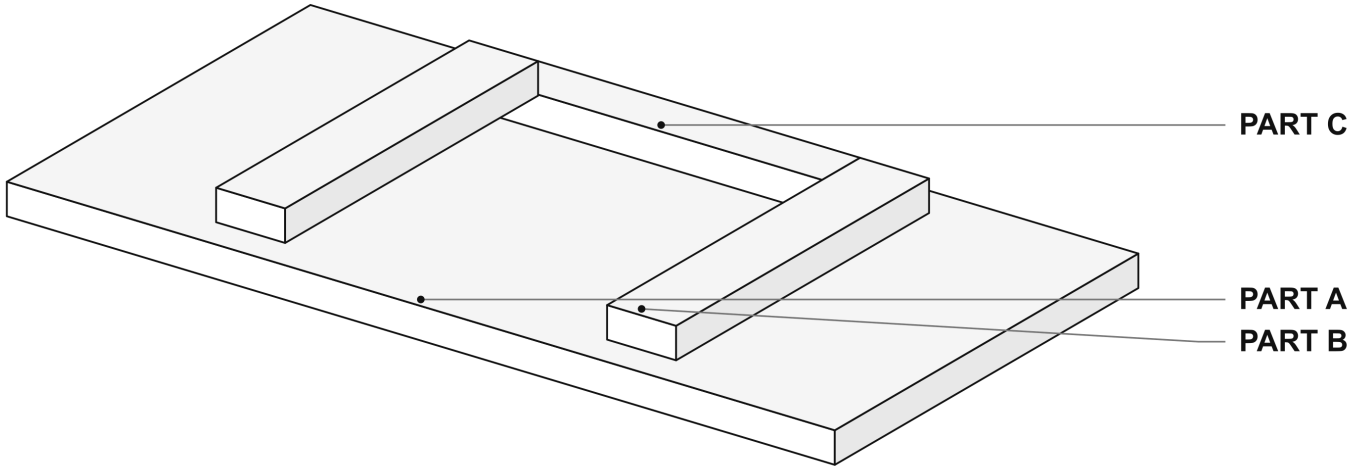
No disinfectant bath, disease-prevention guarantee or substitution for footwear hygiene.

Cleaning and maintenance

Inspect before each use for splits, loose joints, protruding points and trapped debris. Remove accumulated litter or manure promptly. When cleaning is needed, move birds away, remove debris first, wash and use only a suitable label-directed product if disinfection is indicated; let the item dry before return. Recheck the fit after seasonal wood movement. Replace cracked panels, rusted fasteners or frayed liners instead of concealing damage. Sand accessible edges to a small smooth radius. Use a removable washable contact liner where specified. Any optional coating must be suitable for the intended animal-equipment use and fully cured according to its label before installation. Porous wood is not represented as a disinfectable food-contact surface.

PO-019 | ASSEMBLY GEOMETRY

Anchored boot-brush dock



Displayed schematic envelope (x × y × z):

18 in × 12 in × 1 1/2 in / 457.2 × 304.8 × 38.1 mm

Part letters match the cut list. Hardware/anchors are described in the steps.

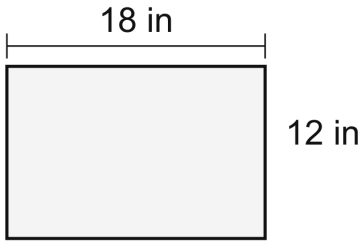
Original schematic • dimensions control • untested editorial draft

x = left/right; y = front/rear; z = height.

PO-019 | DIMENSIONED PARTS 1 OF 1

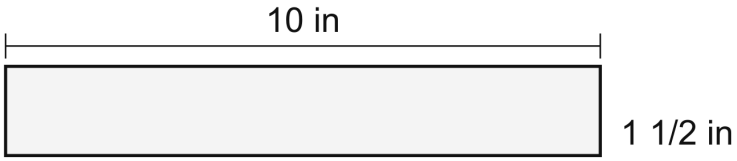
Finished sizes; allow for saw kerfs. Match part letters to the materials list.

A Dock plate ×1



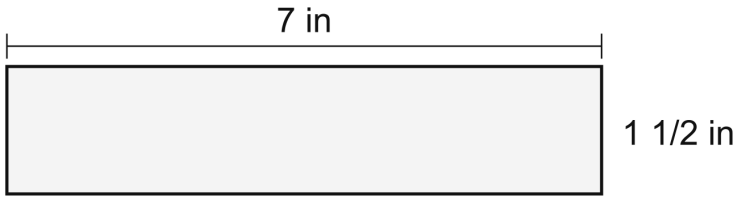
Metric face: 457.2 × 304.8 mm
Thickness: 3/4 in / 19.05 mm
Stock and special cuts: materials list.

B Brush locating cleat ×2



Metric face: 254.0 × 38.1 mm
Thickness: 3/4 in / 19.05 mm
Stock and special cuts: materials list.

C Rear locating stop ×1



Metric face: 177.8 × 38.1 mm
Thickness: 3/4 in / 19.05 mm
Stock and special cuts: materials list.

Original B/W vector drawing • US inches control • unbuilt / untested