

Space Shuttle Pinball Restoration

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Shopping List:

- Hardtop
<https://pinside.com/pinball/forum/topic/hardtop-playfield-new-product-announcement-poll-included/page/3#post-3672905>
- Paint (see details for list)
 - BASE: Very dark blue Armor Coat - (12 cans)
 - Stencils: White & Red Krylon (2 cans each)
 - CLEAR COAT: Fusion Automotive Clear
 - TRIM: Black Automotive
- Stencils
- Shuttle decals
- Leg Braces
- Evaporust
- Metal & Plastic Buffing Kit
- Scrub/buff attachments for drill
- Sandpaper (100/180/280/400/600/800/1200 grit)
- Simple Green Cleaner (for everything)

Disassemble and Inventory:

- Backbox
- Playfield Top
- Playfield Bottom
- Coin Door
- In-Cab

Paint Cabinet & Backbox:

- Sand & Fill (repeat as needed)
- Prime & Sand
Sanding Instrux:

if it's not too bad, i'll probably go something like 400/600/800/1200.
 if it's rough, like the lockdown bar, i'll go 100/180/280/320/400/ and up
 always sand in the same direction of the grain, always.
 don't jump from 100 to 280, make little step in the end if you have 1500, do it.
 at 600 it starts to shine. don't forget a spot, it's a long process but it's worth it.
 buffing wheels, try to get a kit with different size (normally thats how it comes).
 if i use brown with a particular wheel, i will always choose the same wheel for that color and so on.
 always finish with a clean wheel to make it shine and remove left overs.
 my preference, i use a strong power drill.

- Base coat & Sand
- Top Coat & Sand (repeat as needed)
- Stencil (Krylon)
- Clearcoat 2 coats & sand (repeat 3x)

Restore Playfield:

- Remove all decals
- Sand existing playfield
- Replace with hardtop overlay
- Repaint playfield bottom
- Paint shooter lane guides/trim black

Repair/Replace Backbox Elements:

- Backbox LEDs
- Repair MPU
- Repair Power Board (and attached yellow wire harness)
- Repair and respray metal sheet panel, backbox hinge, and grills
- Print and replace instruction cards (attached)
- Spray mirror back to prevent flaking

Repair/Replace Ramps & Toys:

- Space Shuttle
Remove decals; paint with white automotive, clearcoat, re-cal
- Main Ramp
- Plastics & Bumpers
- Rings

Restore In-Cab Elements:

- Replace Tilt Panel Board (use pine)
- Restore Tilt Panel Assembly
- Restore/replace button tech
- Restore Bottom speaker
- Restore/ replace transformers and heat shield
- Move Volume Knob to Tilt Panel
- Replace power cord with red cord
- Restore Coin Door
- Print and replace door card (attached)

Special Features:

- Chrome back panel
- LED for ball-lock kick out (see pic)
- Blue under-cabinet LED
- New 8" speaker under cab
- New speakers for backbox (2x 8 watts); lit by LED strips
- Stainless NASA panel for speaker cover
- Chrome/blue lit start button
- Chrome shooter rod and housing
- HD-braced legs with interior clear guards
(<https://images.pinside.com/6/2e/62e4444bbc87e7d19aff016e10a29ba67281d8f4/resized/large/62e4444bbc87e7d19aff016e10a29ba67281d8f4.jpg>)
- In-box blue LED lighting
- Clear Buttons
- Mirror behind pop bumpers (polished stainless?)
- Chrome drop target for ramp entrance
- Inside-cabinet decals (see pic)
- LED strips under playfield support bars
- Clear Pop Bumpers (see link)
<http://www.pinball.center/en/shop/pinball-parts/playfield-parts/bumper-parts/2420/pop-bumper-body-transparent-03-7443-5?c=2172>
- Titan Corner Protectors