

Protect Igniter Clips on Mid and High Power Launches

RIMRA pad setup guide

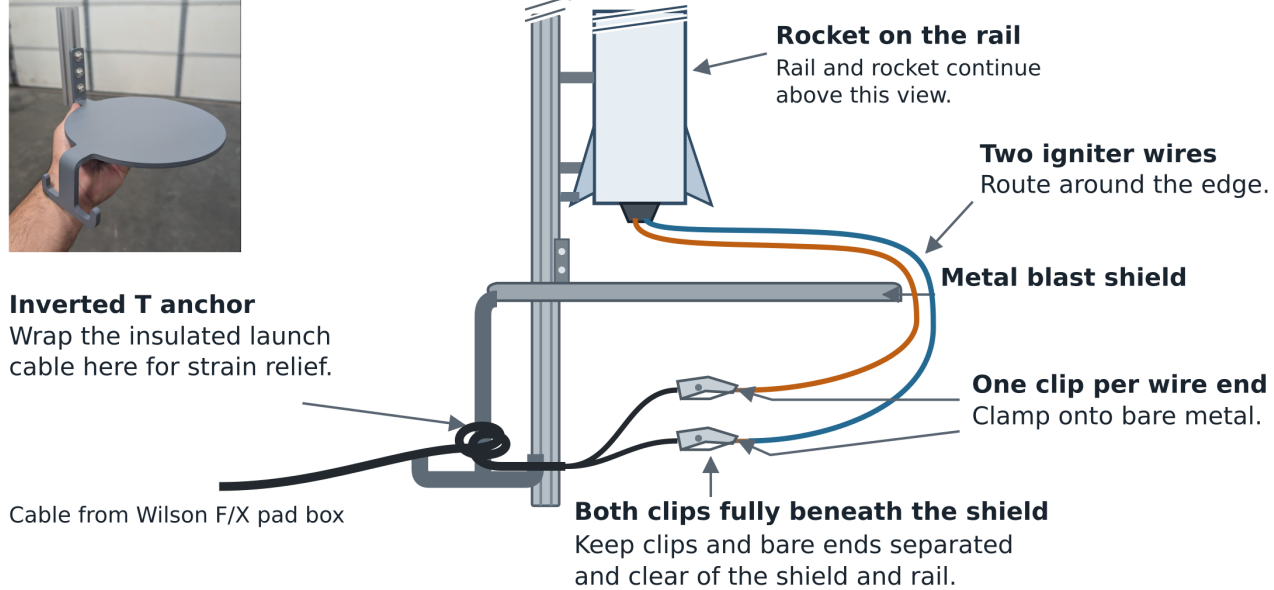
Protect our launch equipment from motor exhaust by placing both alligator clips beneath the blast shield. Each clip connects to the bare end of one igniter wire. Keep all exposed metal clear of the shield, rail, and the other connection.

RIMRA hardware



Connection diagram

Side view with shield edge shown



Schematic only. Wire colors distinguish the two leads; dimensions and spacing are not to scale.

- 1. Load and secure the rocket.** With the range open and launch system safe, follow the pad crew's directions to load the rocket onto the rail and secure it in launch position. Install the igniter as the motor manufacturer directs.
- 2. Connect and protect the clips.** Route the two igniter wires around the shield's edge. Attach one clip to each bare wire end, then tuck both clips fully beneath the shield.
- 3. Secure the launch cable.** Wrap its insulated portion around the inverted-T anchor for strain relief. Leave slack so the cable does not pull the igniter out of the motor.
- 4. Check for shorts.** Keep the clips and bare wire ends separated and clear of the metal shield and rail. Make sure neither clip can swing into metal.
- 5. Check your pad's continuity.** At the Wilson F/X pad box, press the continuity-check button corresponding to your assigned launch pad. A steady tone indicates continuity. If there is no tone, ask the pad crew for help.

A short can give a false continuity tone. Inspect the connections before testing. If the leads are too short to shelter the clips, ask the Range Safety Officer (RSO) or Launch Control Officer (LCO) for help. Leave arming and firing to the LCO.

Continuity reference: [Wilson F/X Setup Guide — Reading Continuity at the Pads](#)