

**WHITETAIL SUPPLY & FEED, LLC  
PRESENTS: PENTAX E50 MODIFICATION:**

*MODIFICATION TO YOUR CAMERA IS CONDUCTED UNDER THE RESPONSIBILITY OF THE PERSON DOING IT-MANUFACTURES WARRANTY IS NULL ONCE YOU OPEN YOUR CAMERA- \*W.S IS NOT RESPONSIBLE FOR LOSS OR DAMAGES; PERSONAL OR PROPERTY DUE TO RELATIONS TO THIS FILE SERVICE.*

**PARTS NEEDED:**

- **XLP/1020 \*E50\* EZ BUILD SUPREME KIT Available ONLY @ Whitetailsupply.com**
- 3 WIRE LOCKING SERVO CABLE
- *IF BUILDING YOUR OWN UNIT, YOU WILL NEED THE E50 FLASH GASKET KIT (For optimal picture quality try Our special 1mm Optical AR glass for shutter And the Optical AR 1mm glass for the flash) This glass is Exclusive to our specification.*
- SD MEMORY CARD (FOR YOUR CAMERA)
- Camouflage Case
- Tree Mounting: Supreme QF Bracket Kaddy or Stainless Tube for Python locking cable.

**TOOLS NEEDED:**

- #0 PHILIPS HEAD SCREW DRIVER
- 3/32" DRILL BIT & SMALL CORDLESS DRILL
- SMALL PENCIL TIP SOLDERING IRON & 66/44 .031 SOLDER OR EQUIVELANT

1. REMOVE THE **6** EXTERIOR HOUSING SCREWS
2. PLACE CAMERA ON TABLE, WITH LCD VIEW SCREEN FACING YOU
3. **PAY CLOSE ATTENTION TO THE BATTERY DOOR & SPRING ORIENTATION BEFORE YOU REMOVE THE BACK OF THE CAMERA SHELL COVER**

**NOTE THE ENTIRE TOP POWER AND SHUTTER BUTTON CHROME COVER-PLATE WILL SEPARATE FROM THE FACE OF THE CAMERA AS WELL ONCE YOU PULL OUT THE METAL WRIST STRAP ROD ON THE LEFT SIDE**





4. **YOU WILL BE REQUIRED TO PURCHASE a PRE-BUILT 3 WIRE SERVO CONNECTOR** <http://www.whitetailsupply.com/> THAT MOUNTS ON THE OUTSIDE OF THE E50 CAMERA. THIS CONNECTOR HAS VERY SMALL WIRES ON ONE SIDE TO CONNECT INSIDE THE CAMERA, AND LARGER WIRES ON THE OTHER SIDE THAT CONNECT TO THE CIRCUIT BOARD CONNECTOR. THIS CONNECTOR IS USED TO DISCONNECT THE CAMERA FROM THE CIRCUIT BOARD SO THAT THE CAMERA CAN BE USED OUTSIDE OF THE CAMEAR UNIT.

5. THERE ARE THREE WIRES, **WHITE FOR SHUTTER, RED FOR CAMERA POWER, AND BLACK FOR A GROUND**

6. (2) Options here:

**Option 1** For use in XLP/1020 Kit: Drill a small 3/32" hole in the top of the center power switch cover plate on the far left side as shown in the photo below, once you slide your wire through and navigate them above the LCD screen, you need to shorten them in length (Clip off excess wire and discard)

**Highly Recommend Option 2** Side mounting: looking at the face of the camera, the lower right corner above the USB you can drill a 3/32" hole here & sneak the 3 thin servo wires through that, **we secure the cable to the camera with double sided tape** or glue (on the right hand side near the speaker holes facing upward.. We then navigate the wires up the side of the camera and across the top of the camera shell LCD screen and over to the contacts, we cut the wire length down to better fit.

**Option 1** below picture is for a 1020 EZ build kit  
**BE SURE TO MOUNT THE SERVO HIGH TO ALLOW CLEARANCE OF THE PIR SENSOR BOARD. OR GO WITH OPTION 2 BELOW, IF YOU WILL NOT BE USING EXTERNAL POWER SUPPLY INSIDE THE 1020 KIT.**



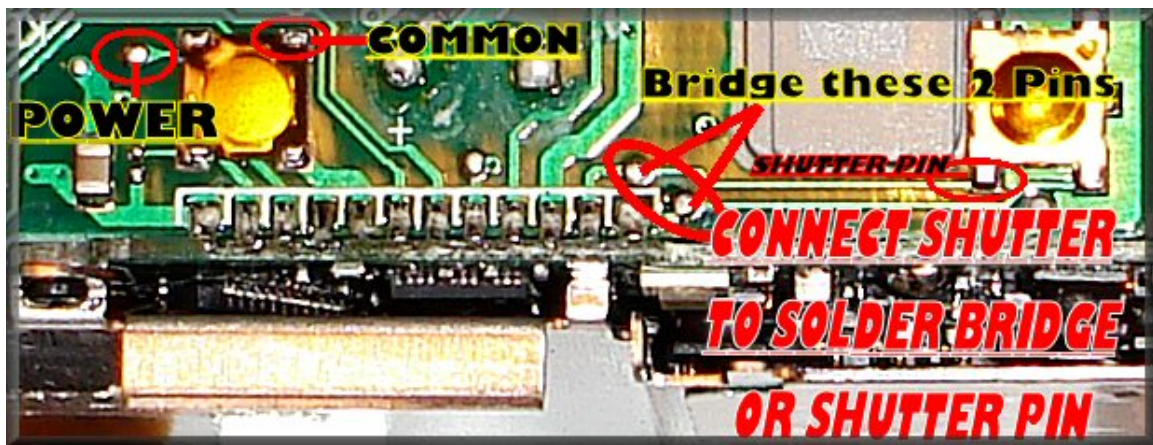
**Option 2** below picture is for a 1020 EZ build kit



7. YOU WILL SOLDER THE 3 SMALL THIN GAUGE WIRES TO THE POWER, SHUTTER & COMMON PAD

**COLOR CODED ARE**

- RED POWER
- **WHITE SHUTTER** THERE ARE 2 OPTIONS HERE; 1 OPTION IS TO WATCH THE VIDEO ON OUR WEBSITE THAT SHOWS YOU OPTION 1 **(RECOMMENDED)** **OPTION 2 BELOW**
- **When bridging shutter pins, you can use a small piece of the 30 awg wire trimmed from your servo cable, if you can NOT drag solder from pin to pin**
- BLACK COMMON



**CONNECTING THE E50 TO THE XLP:**

**J2 CONNECTOR**

PIN 2= RED POWER

PIN 4= WHITE SHUTTER

PIN 7= BLACK COMMON

**When you're all done, there is one last thing to do, take some black nail polish and put a dab of polish over the AF illuminator on the face of the camera (located under the camera flash). I see no setting that shuts it off.**

*Setting the camera to 5MP will increase picture storage and clarity*

**NORMAL CAMERA SETTINGS:**

Click MENU

RECORDED PIXELS: **5MP**

QUALITY LEVEL: **3 STARS**

AF MODE: **Default [ ]**

SENSITIVITY: **Auto**

EV COMPENSATION: **+0.3**

DATE IMPRINT: **CHECK MARK THE BOX**

NEXT MOVE TO SETTING

SOUND: ALL **OFF / DOWN**

DATE ADJUST: **SET DATE**

POWER SAVING: **OFF**

AUTO POWER OFF: **3 MIN**

MEMORY:  ALL BOXES CHECK MARKED **EXCEPT FOCUS & Zoom position\***

*BE SURE THAT THE **(DISPLAY)** BOX IS CHECKED, THIS ALLOWS YOU TO SHUT THE LCD SCREEN OFF ON EVERY POWER UP, SAVING YOU MORE BATTERY POWER FOR LONGER FIELD USE. AFTER THE SETTINGS ARE IN PLACE, SHUT THE CAMERA OFF, POWER IT BACK ON, AND THEN PUSH THE OK BUTTON 3 TIMES UNTIL THE LCD IS BLANK.... NOW EVERY TIME YOU OR THE CONTROLLER CARD POWERS THE CAMERA ON, THE LCD SCREEN WILL NOT BE POWERING ON. SAVING BATTERY*

GUIDE DISPLAY:  **UNCHECKED BOX**

NEXT MOVE INTO MODE

YOU CAN PLAY AROUND INSIDE HERE FOR ADDITIONAL SCENES

WE SELECTED: **DOG**, THEN MOVE DOWN TO THE SHADED #3 BLACK DOG

**Set Flash to AUTO (1<sup>st</sup> one on the listed column) And Make sure the FOCUS box mentioned in memory setting above is UNCHECKED**

Pictures from the unit...



