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YOUR Custom Military Stick Grips Order Form & Pictorial Wiring Schematic

INFINITY Aerospace • P. O. Box 12275 • El Cajon, CA 92022 • PH: (619) 448-5103 ; FAX: (619) 448-5176

Name / Company / E-mail: {Your name goes here} <your e-mail goes here between these carets>

Mailing Address:

City: State/Region:

Country: United States Zip/Postal Code:

Phone: C or H or W ; IA P/N : R & L-

Amount: $0.00 ☐PMO Ck ☐P ☐B #:

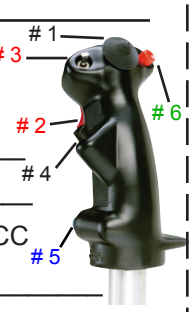
CA Sales Tax: 0.00 ☐ Purchase Order #:

S & H (or TBD): 16.00 ☐MC ☐Visa ☑Rewards CC

TOTAL: **$16.00** Auth/Ref #:

Date Ck Rec & Dep; ran cc:

Card #: Exp. Date & CVV:



DOR: / / 2026 via e-mail & phone
Date Order Received via ph, mail, FAX, e-mail, web or walk-in

DOM: / / 2026 via Gnd Adv Pkg
Date Order Mailed (DOM), or ship'd via FedEX, UPS or DHL

Right Grip(s): 0

Left Grip(s): 0

Spacer(s): 0 3/4" ID Short ☐ 7/8" ID ☐ Long ☐ 0 3/4" ID

Custom Spacer(s): 0

Extra Cable ($3.50 / $3.65 cc/ft): 0 Feet extra each 3 Total feet each

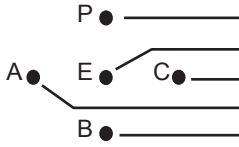
A/C Type: { Your make and model of aircraft goes here }

Additional Parts you may need:

0 Relay Deck 12☐or 24☐ or ☐Combo VDC
0 Co-pilot Isolate &/or Mag Switch(es) 0 Base Boot(s)
0 Single 12 VDC Relay Deck 0 Flap/Sp Brk Limit Sw
0 Pre-Oiler Pressure Switch 0 Pre-Oiler ON / OFF / (ON) Switch
0 GP-301 &/or 0 GP-302 &/or 0 GP-303 Pre-Oiler 12☐or 24☐

Wiring Schematic & Color Code for the *INFINITY Aerospace* Custom Mil-Spec Blue Cable is as follows:

1. 2-Axis Pitch & Roll (or Rudder) thumb operated Trim Sw. w/Black China Hat. Switch rated for ~1 AMP @ 12 VDC and 500K operations! Can be used for step'g freq, freq flip/flop, comm sel, ident!



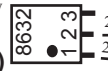
Brown wire (Pitch DN) 22 AWG
Black wire (GND) 22 AWG
Green wire (Roll RT) 22 AWG
Red wire (Roll LT) 22 AWG
Blue wire (Pitch UP) 22 AWG

Switch "X-Ray" looking at the Grip from the outside top.

NOTES: • There is **NO NEED** to push the 4-way switch down to operate it !!!!! • • Don't forget to placard your cockpit, or to annotate in your *Pilot Operating Handbook (POH),* the Stick Grip functions! Make sure **YOU** check-out each new pilot, too ! ! ! ; • Switches 1 and 2 are wired with custom, logically color coded, 22 A.W.G. wires ; • Switches 3, 4, 5 & 6 are wired with custom, logically color coded, 20 A.W.G. wires ; • The Single-Pole Double-Throw (SPDT) Push-On / Push-Off Push-Button type switches are marked 8636. Switch meets UL # E83438(M) ; • The SPDT Momentary Normally Closed (N.C.) and Normally Open (N.O.) Push-Button type of switches are marked 8632. Switch meets UL # E83438(M) ; • Yes, the 4-way switch and toggle switch(es), and usually the high AMP draw items operated by the push-button switches, requires a relay (and it's safer, too -- see our web site for sample wiring schematics for relays, or our Relay Decks, used for Trim & Flap/SpBrk Sys) ; • The 8632 & 8636 Push-Buttons, & the toggle switches, are all rated for ~6 AMP's @ 12 VDC, or 3 AMP's @ 28 VDC, & 40K operations! The center leads are GND or Common (CMN). Ensure **YOU** check ***ALL*** switch continuities before installing &/or applying power !!!

2. RED Push-To-Talk (PTT), or "Other", Use Trigger Sw. :

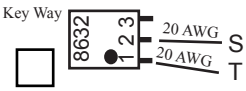
Use: PTT



22 AWG H Wh/Blk (Gnd/Low)
22 AWG N White

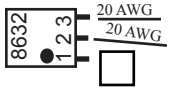
1 - N.O. (8632)

3. Top inside / thumb side RED thumb operated Push-Button, or Toggle Switch, and it's Use : Flaps; or Speed Brake(s); or WingSpoilers



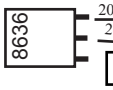
20 AWG S Red/Blk
20 AWG T Red

1 - N.O. (8632)



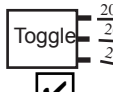
20 AWG T Red
20 AWG S Red/Blk

3 - N.C. (8632)



20 AWG T Red
20 AWG S Red/Blk

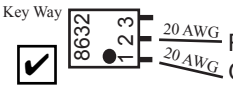
Push-On / Push-Off (8636)



20 AWG T Red (DN) ST1- *1 , 2 , 5637 ,* 5638
20 AWG M Black (GND or CMN)
20 AWG S Red / Black (UP) [bottom or right]

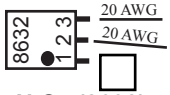
☑ **On/Off/(Mom. On) TOGGLE for Flaps or SB**
OR - - On/Off TOGGLE (1055) OR -- ☐ **Spring Loaded-to-Cntr (ON)/OFF/(ON)**
for Spoilers, SB or Flaps -- mounted vert.

4. Middle thumb operated BLACK Push-Button Sw. and it's Use : A/P Disc & CWS



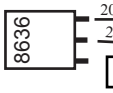
20 AWG R Black
20 AWG G Blk/Wht

1 - N.O. (8632)



20 AWG G Blk/Wht
20 AWG R Black

3 - N.C. (8632)

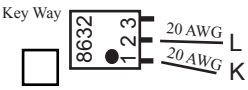


20 AWG G Black / White
20 AWG R Black (GND or CMN)

Push-On / Push-Off (8636)

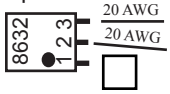
INSTRUCTIONS:
Read the "NOTES" above;
Fill out the top; Check the boxes
for the switches you want, and fill in it's "Use"

5. Bottom BLUE pinky finger operated Push-Button, or Toggle Switch, and it's Use : Aux Fuel Pump -- 100 LL is light blue = cap color



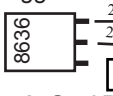
20 AWG L Blue/Blk
20 AWG K Blue

1 - N.O. (8632)



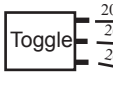
20 AWG K Blue
20 AWG L Blue/Blk

3 - N.C. (8632)



20 AWG K Blue
20 AWG L Blue / Black

Push-On / Push-Off (8636)



20 AWG K Blue ST1- *1, 2, 5637, 5638*
20 AWG G Black (GND or CMN)
20 AWG L Blue/Blck [mount rt or DN]

☐ **Spring Loaded-to-Cntr. (ON) / OFF / (ON)**
TOGGLE mounted horiz. for Rudder or Aileron trim

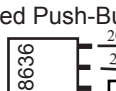
6. Top outside / index finger side GREEN thumb operated Push-Button, or Toggle Switch, and it's Use : Engine Start (relay not required)

20 AWG D Grn/Blk
20 AWG F Green

1 - N.O. (8632)

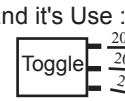
20 AWG F Green
20 AWG D Grn/Blk

3 - N.C. (8632)



20 AWG F Green
20 AWG D Green / Black

Push-On / Push-Off (8636)
OR - - On / Off Vert. TOGGLE (1055)



20 AWG F Grn ST1- *1, 2, 5637, 5638*
20 AWG J Black (GND or CMN)
20 AWG D Grn/Blck [mount rt or DN]

☐ **Spring Loaded-to-Cntr. (ON) / OFF / (ON)**
TOGGLE mounted horiz. for Aileron or Rudder