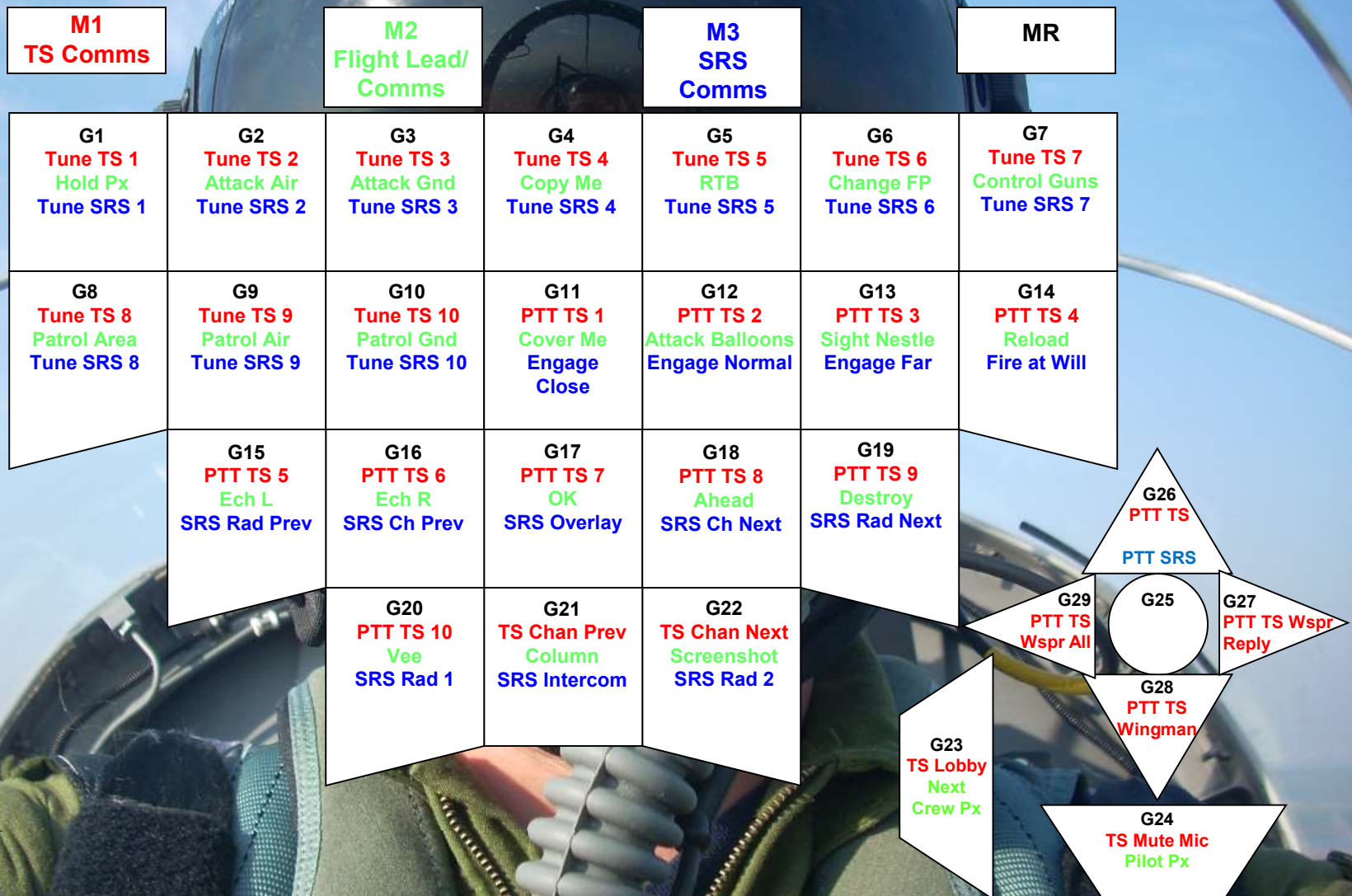


Pre-Start Check: Joystick/Control Surfaces CHECKED Track IR CHECKED Fuel/Armament CHECKED Canopy AS REQ Mixture/RPM/Rads/Cowl AS REQ Throttle START POSITION Engine START	Keyboard Commands Not Mapped L/RALT TAB External Windows Application L/RALT F4 Quit to Desktop F7 Track IR Precision Mode F9 Track IR Pause F12 Track IR Recenter PRINTSCREEN Take Screenshot P Pause Game] Time Speed + [Time Speed – LALT ` Command Menu LSHF BSP FPS Counter TAB Lobby ENT In-Game Chat to All RCTL ENT In-Game Chat to Friendly LSHF h HUD RALT i Instruments, Nav and Map Markers RCTL i Aiming Help ESC Menu LALT KP+ In-Game Radio Volume + LALT KP- In-Game Radio Volume – LALT c Switch In-Game Radio Channel RALT m Mini-Map Mode RCTL c Window Open/Close	Standard Mapped Views (FOV) Hat 3 H3C Fwd Cockpit (105) H3U Fwd Up (105) H3UR R Fwd Quarter (105) H3R RW (105) H3DR R Rear Quarter (105) H3D R Tail Six (105) H3DL L Rear Quarter (105) H3L LW (105) H3UL L Fwd Quarter (105) H3 With Down Modifier (CSD) H3C Instrument Panel Center (70) H3U Instrument Panel Lower (70) H3UR R Fwd Quarter Dn (105) H3R RW/Cockpit Dn (ACD) (105) H3DR R Rear Quarter Dn (105) H3D L Tail Six (105) H3DL L Rear Quarter Dn (105) H3L LW/Cockpit Dn (ACD) (105) H3UL L Fwd Quarter Dn (105) H3 With Up Modifier (CSU) H3C Up (105) H3U Fwd Up Up (105) H3UR R Fwd Quarter Up (105) H3R RW Up (105) H3DR R Rear Quarter Up (105) H3D Rear Up (105) H3DL L Rear Quarter Up (105) H3L LW Up (105) H3UL L Fwd Quarter Up (105) H3 With Custom Modifier (SCP/S4) H3C Gunsight (70) H3U Gunsight (50) H3UR R Nose Fwd (70) H3R RW/Cockpit Fwd (ACD) H3DR RW/Cockpit Aft (ACD) H3D AC Instrument of Choice (30) H3DL LW/Cockpit Aft (ACD) H3L LW/Cockpit Fwd (ACD) H3UL L Nose Fwd (70) Note: These views must be setup and edited in-game for each individual aircraft. Some views are AC dependent and may vary slightly between AC. *ACD = AC Dependent	Camera View and Pilot Head Commands F1 Cockpit LCTL F1 Track LALT F1 Head-Unlinked Cockpit F2 External Camera at AC LSHF F2 External Camera at Friendly AC LCTL F2 External Camera at Enemy AC LALT F2 Switch to Attached Cameras F3 Flyby LCTL F4 Combat Camera F5 External Camera at Gnd LSHF F5 External Camera at Friendly Gnd LCTL F5 External Camera at Enemy Gnd F6 External Camera at Bombs LSHF F6 External Camera at Friendly Bombs LCTL F6 External Camera at Enemy Bombs RSHF F7 Padlock Friendly Gnd RCTL F7 Padlock Enemy Gnd F8 Padlock Enemy Aircraft RSHF F8 Padlock Friendly Aircraft RCTL F8 Padlock Close Aircraft LALT F9 Change Head Control Method F10 Save Current Head Snap Position F11 Free Camera A, S, W, D, R, F, Mouse Free Camera Control LCTL F12 Enemy Operator LALT F12 Friendly Operator KP+/- FOV+/- RCTL KP. Quickview Minimum RCTL KP1 Quickview Level 1 RCTL KP2 Quickview Level 2 RCTL KP3 Quickview Level 3 RCTL KP0 Quickview Maximum KP* Reset FOV KP5 Re-Center Pilot Head Position INS Move Pilot Head Forward HOME Move Pilot Head Backward DEL Move Pilot Head Left END Move Pilot Head Right PAGEUP Move Pilot Head Up PAGEDN Move Pilot Head Down Mouse Left/Right Rotate Pilot Head Left/Right Mouse Up/Down Bow Pilot Head Up/Down	Flight Leader and Gunner Orders LCTL 0 Hold Px and Wait LCTL 1 Attack Nearest Air Tgt LCTL 2 Attack Nearest Gnd Tgt LCTL 4 Do Like Me (Copy Actions) LCTL 6 Formation Column LCTL 7 Formation L Edge LCTL 8 Formation R Edge LCTL 9 Formation V LALT 5 Cover Me LALT 6 Patrol the Area LALT 7 Patrol for Air Enemies LALT 8 Patrol for Gnd Enemies LALT 0 Return to Base LALT 9 Pilot Gesture: Look Ahead! RCTL 0 Pilot Gesture: OK! RALT 0 Pilot Gesture: Destroy! RALT ` Fire at Will RALT 1 Return Fire RALT 2 Cease Fire RALT 3 Cease Heavy Weapons Fire RALT 4 Attack Balloons RALT 5 Attack Gnd Tgts RALT 6 Close Engage Distance RALT 7 Normal Engage Distance RALT 8 Far Engage Distance
Pre-Taxi/Takeoff Check: Flaps/Trim SET FOR TAKEOFF Lights AS REQ Tailwheel LOCKED 3-Point Sight Picture CHECKED Oil/Water/Cowl Position SET RPM/Mixture/Links SET				Tank Keyboard Commands e Start/Stop Engine LCTL x/y Gear Limiter Switch up/dn RALT c Hatch Open/Close RCTL c Visor Open/Close RSHF i External Lights LSHF k Internal Lights LALT s Horn LWIN 0 Driver Position LWIN 1 Gunner Position LWIN 2 Commander Position LWIN 3 Radioman Position Mouse L/RALT SPC Fire Main Mouse R/LALT SPC Fire Secondary RALT g Select Ammunition RALT /RALT . Gunsight Range Adjust RALT /RALT / Gunsight Horizontal Adjust LSHF v Nestle to Visor RSHF /RSHF . Visor Vertical Adjust RSHF /RSHF / Visor Horizontal Adjust LSHF z/LSHF x Compass Director L/R LSHF f Fuel Meter Tank Selector LCTL f Fuel Meter Pump Pressure
Post-Takeoff Check: Gear/Flaps UP Canopy CLOSED Trim SET Engine Pwr/Mix/Pitch/Rads AS REQ Lights AS REQ Gunsight and Views Setup AS REQ Autopilot AS REQ	Individual Engine Controls/Selection e Start All (Selected) Engine(s) 0 Select All Engine(s) Common Control 1 Select Engine 1 Control 2 Select Engine 2 Control 3 Select Engine 3 Control RCTL F1 Start Engine 1 RCTL F2 Start Engine 2 RCTL F3 Start Engine 3 RSHF e Ignition All (Selected) Engine(s) RSHF KP1 Ignition Engine 1 RSHF KP2 Ignition Engine 2 LALT f Feather Selected Engine			
Pre-Air-to-Air Combat Check: Gunsight SET FOR TARGET SIZE Flight Record ON				
Post-Air-to-Air Combat Check: Flight Record OFF				
Pre-Air-to-Ground Attack Check: Bombs ARMED Bomb/Rocket Delay/Salvo Mode SET Contact Altimeter SET Bomb Sight ON AS REQ Flight Record ON Bomb Bay Doors OPEN AS REQ Attack Siren ON AS REQ Dive Brakes/DRS ON AS REQ Throttle AS REQ	TS Commands RCTL ` PTT Selected Channel LSHF ` PTT Wingman LCTL PAGEDN PTT Whisper All y PTT Whisper Reply RCTL RSHF m Mute Mic RCTL RSHF d Mute Speaker LCTL KP+ /KP- Next/Prev Channel LCTL PGUP TS Server Lobby LSHF 1-0 Tune Channel 1-10 RCTL 1-0 PTT Whisper Channel 1-10			
Post-Air-to-Ground Attack Check: Dive Brakes/DRS OFF Attack Siren OFF Bomb Sight OFF Bomb Bay Doors CLOSED Flight Record OFF				
Pre-Landing Check: Gear DOWN Flaps/Trim AS REQ Canopy AS REQ Tailwheel LOCKED	SRS Commands LSHF w PTT Selected Radio/Intercom RCTL KP+ /KP- Next/Prev Radio/Intercom RSHF KP+ /KP- Next/Prev Channel RCTL F11 Radio Overlay RSHF up/dn Radio 1/2 Select RSHF ` Intercom Select RSHF BSP TTS Read Status RSHF 1-0 Tune Channel 1-10	Gunner/Turret Controls LWIN 0 Default Position LWIN 1-9 Combat Post 1-9 LCTL c Next Free Combat Position LALT t Take/Leave Turret Control LSHF t Nestle to Gunsight LSHF c Change Firing Position LALT r Reload Guns/Turret Mouse L Fire Primary Turret Guns Mouse R Fire Secondary Turret Guns Mouse XY Control Machine Gunner Turret		
Post-Landing/Turn Check: Tailwheel UNLOCKED Canopy OPEN AS REQ Tailwheel LOCKED Parking Brakes SET Engine(s) OFF Refuel/Rearm Process AS REQ				
CHECKLIST and Misc Commands V06012021				

IL-2 Radio Logitech G-13 Layout



1 = Spitfire VB only
2 = Spitfire IXe only
3 = Spitfire XIV only
4 = Tempest Mk.V only
5 = Hurricane Mk. II only
6 = Typhoon Mk. Ib only

TG1
/O RALT SPC Fire Wpn Gp 1
/I LALT SPC Fire Wpn Gp 2¹²³⁵

TG2
/O LSHF SPC Fire All Guns
/I LSHF SPC Fire All Guns

S1
/O RSHF q Drop Bombs²³⁴⁵
/I RCTL q Fire Rockets²⁵

S2
// LCTL SPC Fire Personal Weapon/Flare Gun

S3
/O Non-Shifted Function
/I Shifted Function

S4
RCTL KP0 Quickview Maximum

CSU
/O RALT o Map
/I RSHF ; Gunsight Vert Adj Up⁶

CSD
/I RSHF . Gunsight Vert Adj Down⁶

CSL/R
/O RALT ./; Gunsight Range -/+
/I RALT //. Gunsight Base -/+

MSP
// F12 Re-center Track IR

H1
H1U /O RALT up Trim Elevator Nose Down
/I LSHF b Engine Boost¹⁵
H1D /O RALT down Trim Elevator Nose Up
/I RALT t Reset Elevator/Rudder Trim
H1L LALT z Trim Rudder Nose Left
H1R LALT x Trim Rudder Nose Right

H2	H2U /O a Full Autopilot /I LCTL 4 LCTL ` Load/Stow Personal Weapon
H2D /O LSHF u Level Autopilot /I LCTL 3 LCTL ` Load/Stow White Flare	
H2L /O LSHF z Left Turn Autopilot /I LCTL 1 LCTL ` Load/Stow Red Flare	
H2R /O LSHF x Right Turn Autopilot /I LCTL 2 LCTL ` Load/Stow Green Flare	

H3
H3U DXHATUP Snap View Up
H3D DXHATDOWN Snap View Down
H3L DXHATLEFT Snap View Left
H3R DXHATRIGHT Snap View Right

H4
H4U /O LSHF ` **PTT TS Whisper Wingman**
/I LSHF w **PTT SRS Intercom**
H4L /O LCTL PGDN **PTT TS Whisper All**
/I LSHF w **PTT SRS Rad 2**
H4L /O LCTL KP- **TS Radio Ch -**
/I RSHF KP- **SRS Radio Ch -**
H4R /O LCTL KP+ **TS Radio Ch +**
/I RSHF KP+ **SRS Radio Ch +**
H4P /O RCTL ' **PTT TS Selected Channel**
/I LSHF w **PTT SRS Rad 1**

EFLNORM
/O RCTL a Rearm Process
/I LALT y Gunsight Mode (Gyro/Fixed)²³

EOLIGN
// LSHF e Restart Engine

EOLMOTOR
/O LSHF r Auto Oil/Water Rad Control
/I LSHF g Auto Mix/Supercharger Control

EFRNORM
/O RCTL f Refuel Process
/I RALT v Gunsight Filter¹²³⁵

EORMOTOR
/O LSHF r/q/n All Auto Engine Assist Control
/I LSHF n Auto RPM Limiter Control

APUON
// RCTL b Arm Bombs

SCU
KP0 Snap View Up Modifier

SCD
KP. Snap View Custom Modifier

SCL/R
/O RCTL -/= Water Rad Close/Open¹⁴⁵

SCP

KPENT Snap View Down Modifier

LTB
// LCTL BSP Eject

PSF
/O LSHF k Cockpit Lights
/I RSHF I Landing Lights⁴⁵

PSB
/O RCTL I Nav Lights
/I RALT I Form Lights

FLAPU/D
/O LSHF/LCTL f Retract/Extend Flaps
/I RSHF/RCTL g Retract/Extend Gear

LDGH
// LCTL r Flight Record

APPAT
/O LSHF s Supercharger Mode²³⁴⁵

APENG
/O RSHF b Bomb Salvo Mode⁴⁵
/I RSHF r Rocket Salvo Mode⁵

APALT
/O RCTL r Water Rad Control Mode²³

EACON
/I RALT c Canopy

THRL
RSHF +/- Prop RPM +/-

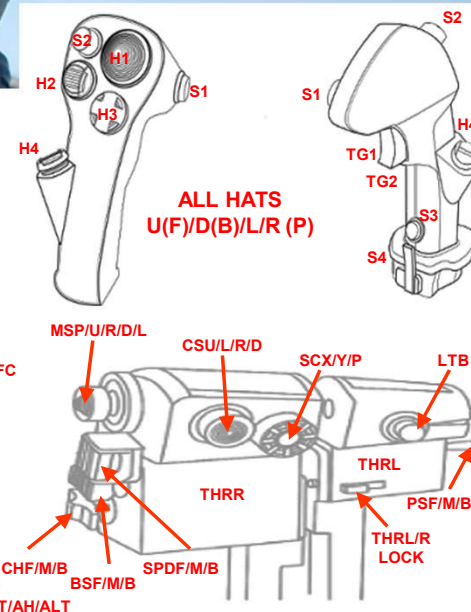
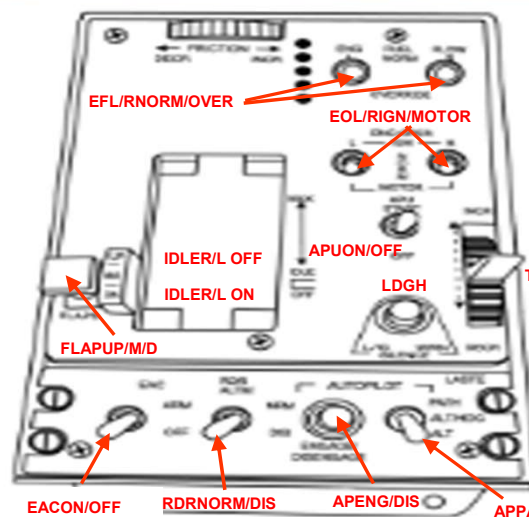
IDLERON
LSHF e Start All Engines

TFC
RALT =/- Engine Mixture +/-¹⁴

SPDF (Locking)
/I RCTL KP0 Quickview Maximum

SPDB (Non-Locking)
/O LCTL / Wheel Brakes

BSB
/O KP5 Re-center Pilot Head
/I LALT a Alt Ref Pres



LEGEND

1 = FW-190 A3 only
2 = FW-190 A5 only
3 = FW-190 A6 only
4 = FW-190 A8 only
5 = FW-190 D9 only
6 = MC-202 only

IL2 – BOS Thrustmaster WARTHOG TARGET Profile 190/202

For IL2 – BOS – Warthog – Planes Profile.fcf
by Nick "Darkdiz" Lisney
V06012021

EFLNORM

/O RCTL a Rearm Process
/I LALT v Gunsight Mode (Gyro/Fixed)⁵

EOLIGN

/I LSHF e Restart Engine

EOLMOTOR

/O LSHF r Auto Oil/Water Rad Control
/I LSHF q Auto Mix/Supercharger Control

EFRNORM

/O RCTL f Refuel Process
/I RALT v Gunsight Filter¹²³⁴⁵

EORMOTOR

/O LSHF r/q/n All Auto Engine Assist Control
/I LSHF n Auto RPM Limiter Control

APUON

/I RCTL b Arm Bombs

SCU

KP0 Snap View Up Modifier

SCD

KP. Snap View Custom Modifier

SCL/R

/O RCTL -/= Water Rad Close/Open⁵⁶
/I RCTL/RSHF \ Oil Rad Close/Open⁶

SCP

KPENT Snap View Down Modifier

LTB

/I LCTL BSP Eject

PSF

/O LSHF k Cockpit Lights

PSB

/O RCTL I Nav Lights

FLAPU/D

/O LSHF/LCTL f Retract/Extend Flaps
/I RSHF/RCTL g Retract/Extend Gear

LDGH

/I LCTL r Flight Record

APENG

/O RSHF b Bombs Salvo Mode²³⁴
/I RSHF r Rocket Salvo Mode⁴⁵

APALT

/I RSHF i Prop Pitch Control Mode¹²³⁴⁵

RDRNORM

/I LCTL b Bomb Delay⁴

EACON

/I RALT c Canopy

IDLERON

LSHF e Start All Engines

SPDF (Locking)

/I RCTL KP0 Quickview Maximum

SPDB (Non-Locking)

/O LCTL / Wheel Brakes

BSF

/O LSHF g Tailwheel Lock⁶

BSB

/O KP5 Re-center Pilot Head
/I LALT a Alt Ref Pres

TG1

/O RALT SPC Fire Wpn Gp 1
/I LALT SPC Fire Wpn Gp 2¹²³⁴⁶

TG2

/O LSHF SPC Fire All Guns
/I LSHF SPC Fire All Guns

S1

/O RSHF q Drop Bombs
/I RCTL q Fire Rockets³⁴⁵

S2

/O LSHF d Jettison Stores³⁴⁵
/I LCTL SPC Fire Personal Weapon/Flare Gun

S3

/O Non-Shifted Function
/I Shifted Function

S4

RCTL KP0 Quickview Maximum

CSU

/O RALT o Map

CSL/R

/O RALT ./; Gunsight Range -/+⁵
/I RALT //, Gunsight Base -/+⁵

H1

H1U /O RALT up Trim Stabilizer Nose Down
/I LSHF b Engine Boost²³⁴⁵⁶
H1D /O RALT down Trim Stabilizer Nose Up

H2

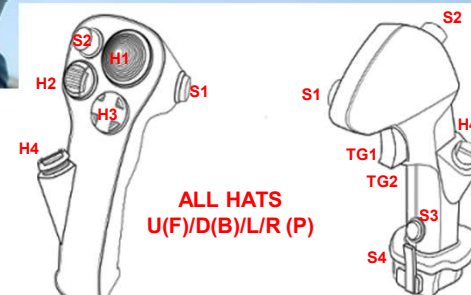
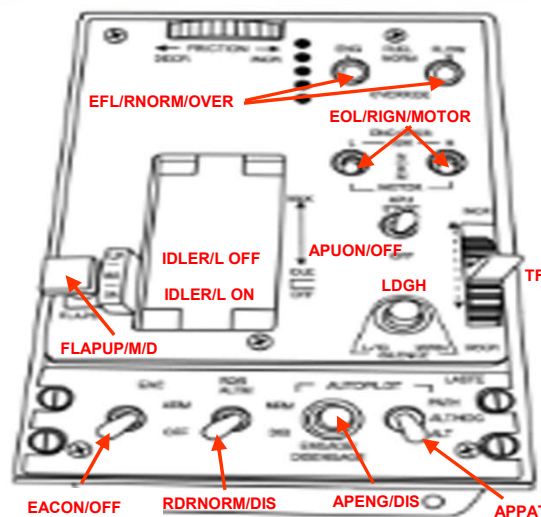
H2U /O a Full Autopilot
/I LCTL 4 LCTL ` Load/Stow Personal Weapon
H2D /O LSHF u Level Autopilot
/I LCTL 3 LCTL ` Load/Stow White Flare
H2L /O LSHF z Left Turn Autopilot
/I LCTL 1 LCTL ` Load/Stow Red Flare
H2R /O LSHF x Right Turn Autopilot
/I LCTL 2 LCTL ` Load/Stow Green Flare

H3

H3U DXHATUP Snap View Up
H3D DXHATDOWN Snap View Down
H3L DXHATLEFT Snap View Left
H3R DXHATRIGHT Snap View Right

H4

H4U /O LSHF ` PTT TS Whisper Wingman
/I LSHF w PTT SRS Intercom
H4D /O LCTL PGDN PTT TS Whisper All
/I LSHF w PTT SRS Rad 2
H4L /O LCTL KP- TS Radio Ch -
/I RSHF KP- SRS Radio Ch -
H4R /O LCTL KP+ TS Radio Ch +
/I RSHF KP+ SRS Radio Ch +
H4P /O RCTL ` PTT TS Selected Channel
/I LSHF w PTT SRS Rad 1



ALL HATS
U(F)/D(B)/L/R (P)

LEGEND

1 = BF-109 E-7 only
 2 = BF-109 F-2 only
 3 = BF-109 F-4 only
 4 = BF-109 G-2 only
 5 = BF-109 G-4 only
 6 = BF-109 G-6/G-6 Late only
 7 = BF-109 G-14 only
 8 = BF-109 K-4 only
 9 = ME-110 E-2 only
 0 = ME-110 G-2 only
 J = ME-262 Only

MULTI-ENGINE SELECTION

0 Select All Engines
 1 Select Engine 1
 2 Select Engine 2^{90J}

IL2 – BOS Thrustmaster WARTHOG TARGET Profile 109/110/262

For IL2 – BOS – Warthog – Planes Profile.fcf
 by Nick "Darkdiz" Lisney
 V06012021

EFLNORM

/O RCTL a Rearm Process
 /I LALT v Gunsight Mode (Gyro/Fixed)^J

EFRNORM

/O RCTL f Refuel Process
 /I RALT v Gunsight Filter

EOL/RIGN

/I LSHF/RSHF e Restart/Ignition^J Selected Engine

EOLMOTOR

/O LSHF r Auto Oil/Water Rad Control^d
 /I LSHF q Auto Mix/Supercharger Control^d

EORMOTOR

/O LSHF r/q/n All Auto Engine Assist Control
 /I LSHF n Auto RPM Limiter Control

APUON

/O LALT f Feather Selected Engine⁹⁰
 /I RCTL b Arm Bombs

IDLERON

LSHF e Start All Engines

SCU

KP0 Snap View Up Modifier

SCD

KP. Snap View Custom Modifier

SCL/R

/O RCTL -/+ Water Rad Close/Open²³⁴⁵⁶⁷⁸⁹⁰
 /I RCTL/RSHF \ Oil Rad Close/Open¹⁹⁰

SCP

KPENT Snap View Down Modifier

LTB

/I LCTL BSP Eject

PSF

/O LSHF k Cockpit Lights
 /I RSHF l Landing Lights⁹⁰

PSB

/O RCTL l Nav Lights

FLAPU/D

/O LSHF/LCTL f Retract/Extend Flaps
 /I RSHF/RCTL g Retract/Extend Gear

LDGH

/I LCTL r Flight Record

APPAT

/I RSHF l Prop Pitch Control Mode^d

APENG

/O RSHF b Bomb Salvo Mode⁹⁰
 /I RSHF r Rocket Salvo Mode^{7J}

APALT

/O RCTL r Water Rad Control Mode²³⁴⁵⁶⁷⁸
 /I RALT \ Oil Rad Control Mode⁹⁰

EACON

/I RALT c Canopy

TG1

/O RALT SPC Fire Wpn Gp 1
 /I LALT SPC Fire Wpn Gp 2

TG2

/O LSHF SPC Fire All Guns
 /I LSHF SPC Fire All Guns

S1

/O RSHF q Drop Bombs
 /I RCTL q Fire Rockets^{7J}

S2

/I LCTL SPC Fire Personal
 Weapon/Flare/OLSHF d Jettison Stores⁷

S3

/O Non-Shifted Function
 /I Shifted Function

S4

RCTL KP0 Quickview Maximum

H1

H1U /O RALT up Trim Stabilizer/Elevator Nose Down
 H1D /O RALT down Trim Stabilizer/Elevator Nose Up
 /I RALT t Reset Elevator/Rudder Trim^{90J}
 H1L /O LALT z Trim Rudder Nose Left^{90J}
 H1R /O LALT x Trim Rudder Nose Right^{90J}

H2

H2U /O a Full Autopilot
 /I LCTL 4 LCTL ` Load/Stow Personal Weapon
 H2D /O LSHF u Level Autopilot
 /I LCTL 3 LCTL ` Load/Stow White Flare
 H2L /O LSHF z Left Turn Autopilot
 /I LCTL 1 LCTL ` Load/Stow Red Flare
 H2R /O LSHF x Right Turn Autopilot
 /I LCTL 2 LCTL ` Load/Stow Green Flare

H3

H3U DXHATUP Snap View Up
 H3D DXHATDOWN Snap View Down
 H3L DXHATLEFT Snap View Left
 H3R DXHATRIGHT Snap View Right

H4

H4U /O LSHF ` PTT TS Whisper Wingman
 /I LSHF w PTT SRS Intercom
 H4D /O LCTL PGDN PTT TS Whisper All
 /I LSHF w PTT SRS Rad 2
 H4L /O LCTL KP- TS Radio Ch -
 /I RSHF KP- SRS Radio Ch -
 H4R /O LCTL KP+ TS Radio Ch +
 /I RSHF KP+ SRS Radio Ch +
 H4P /O RCTL ` PTT TS Selected Channel
 /I LSHF w PTT SRS Rad 1

CSU

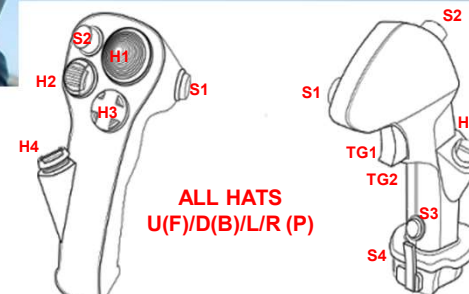
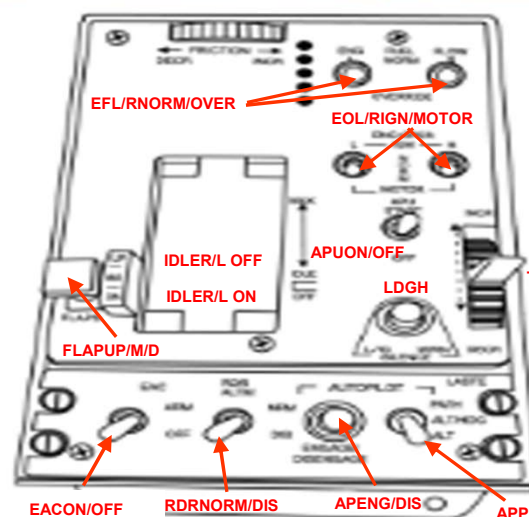
/O RALT o Map

MSU/D

/I RSHF +/- Prop High/Low Pitch^d

MSP

/I F12 Re-center Track IR



ALL HATS
 U(F)/D(B)/L/R (P)

LEGEND

1 = U2VS only
2 = IL2 Mod 1941 only
3 = IL2 Mod 1942 only
4 = IL2 Mod 1943 only

IL2 – BOS Thrustmaster WARTHOG TARGET Profile Russian Attack For IL2 – BOS – Warthog – Planes Profile.fcf by Nick "Darkdiz" Lisney V06012021

EFLNORM

/O RCTL a Rearm Process

EFRNORM

/O RCTL f Refuel Process

EOLIGN

/I LSHF e Restart Engine

EOLMOTOR

/O LSHF r Auto Oil/Water Rad Control
/I LSHF q Auto Mix/Supercharger Control

EORMOTOR

/O LSHF r/q/n All Auto Engine Assist Control
/I LSHF n Auto RPM Limiter Control

APUON

/I RCTL b Arm Bombs

SCU

KP0 Snap View Up Modifier

SCD

KP. Snap View Custom Modifier

SCL/R

/O RCTL -/= Water Rad Close/Open²³⁴
/I RCTL/RSHF \ Oil Rad Close/Open²³⁴

SCP

KP. Snap View Custom Modifier

LTB

/I LCTL BSP Eject

PSF

/O LSHF k Cockpit Lights
/I RSHF l Landing Lights

PSB

/O RCTL I Nav Lights

FLAPU/D

/O LSHF/LCTL f Retract/Extend Flaps²³⁴
/I RSHF/RCTL g Retract/Extend Gear²³⁴

LDGH

/I LCTL r Flight Record

APENG

/O RSHF b Bomb Salvo Mode
/I RSHF r Rocket Salvo Mode²³⁴

EACON

/I RALT c Canopy²³⁴

THRL

RSHF +/- Prop RPM +/-²³⁴

IDLERON

LSHF e Start All Engines

TFC

RALT +/- Engine Mixture +/-

TG1

/O RALT SPC Fire Wpn Gp 1
/I LALT SPC Fire Wpn Gp 2²³⁴

TG2

/O LSHF SPC Fire All Guns
/I LSHF SPC Fire All Guns

S1

/O RSHF q Drop Bombs
/I RCTL q Fire Rockets²³⁴

S2

/I LCTL SPC Fire Personal Weapon/Flare Gun

S3

/O Non-Shifted Function
/I Shifted Function

S4

RCTL KP0 Quickview Maximum

CSU

/O RALT o Map

MSP

/O LALT r Reload Guns¹³⁴
/I F12 Re-center Track IR

H1

H1U /O RALT up Trim Elevator Nose Down²³⁴
H1D /O RALT down Trim Elevator Nose Up²³⁴
/I RALT t Reset Elevator/Rudder Trim²³⁴
H1L /O LALT z Trim Rudder Nose Left²³⁴
H1R /O LALT x Trim Rudder Nose Right²³⁴

H2

H2U /O a Full Autopilot
/I LCTL 4 LCTL ` Load/Stow Personal Weapon
H2D /O LSHF u Level Autopilot
/I LCTL 3 LCTL ` Load/Stow White Flare
H2L /O LSHF z Left Turn Autopilot
/I LCTL 1 LCTL ` Load/Stow Red Flare
H2R /O LSHF x Right Turn Autopilot
/I LCTL 2 LCTL ` Load/Stow Green Flare

H3

H3U DXHATUP Snap View Up
H3D DXHATDOWN Snap View Down
H3L DXHATLEFT Snap View Left
H3R DXHATRIGHT Snap View Right

H4

H4U /O LSHF ` PTT TS Whisper Wingman
/I LSHF w PTT SRS Intercom
H4D /O LCTL PGDN PTT TS Whisper All
/I LSHF w PTT SRS Rad 2
H4L /O LCTL KP- TS Radio Ch -
/I RSHF KP- SRS Radio Ch -
H4R /O LCTL KP+ TS Radio Ch +
/I RSHF KP+ SRS Radio Ch +
H4P /O RCTL ` PTT TS Selected Channel
/I LSHF w PTT SRS Rad 1

SPDF (Locking)

/I RCTL KP0 Quickview Maximum

SPDB (Non-Locking)

/O LCTL / Wheel Brakes²³⁴

BSF

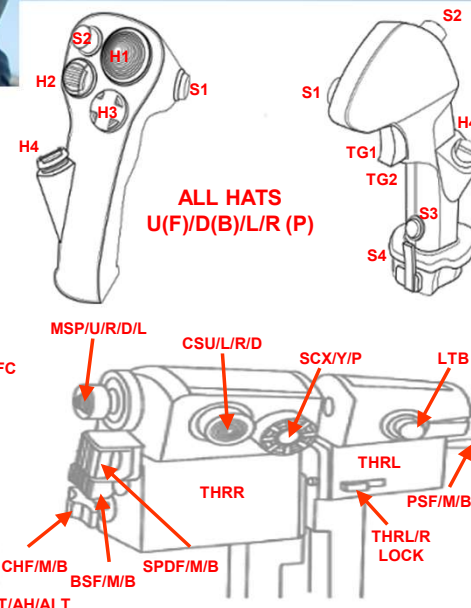
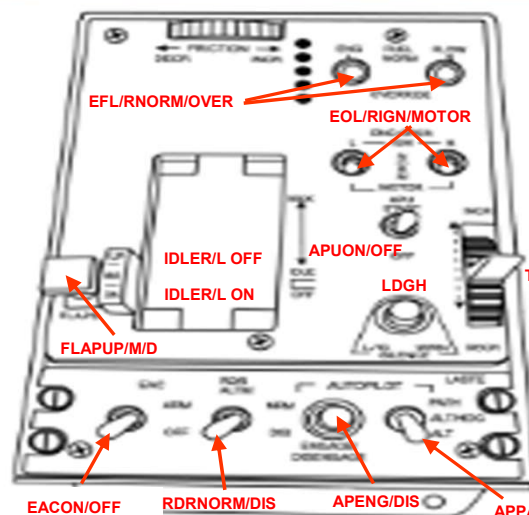
/O LSHF g Tailwheel Lock²³⁴

BSB

/O KP5 Re-center Pilot Head
/I LALT a Alt Ref Pres

CHB

/O RALT f Gunsight Position¹²³



LEGEND

1 = I-16 Type 24 only
2 = LaGG-3 ser. 29 only
3 = La-5 ser. 8 only
4 = La-5FN ser. 2 only
5 = MiG-3 ser. 24 only
6 = Yak-1 ser. 69 only
7 = Yak-1b ser. 127 only
8 = Yak-7b ser. 36 only
9 = Yak-9 ser. 1 only
0 = Yak-9(T) ser. 1 only

IL2 – BOS Thrustmaster WARTHOG TARGET Profile Russian Fighters For IL2 – BOS – Warthog – Planes Profile.fcf by Nick "Darkdiz" Lisney V06012021

EFLNORM

/O RCTL a Rearm Process

EOLIGN

/I LSHF e Restart Engine

EOLMOTOR

/O LSHF r Auto Oil/Water Rad Control
/I LSHF q Auto Mix/Supercharger Control

EFRNORM

/O RCTL f Refuel Process
/I RALT v Gunsight Filter¹

EORMOTOR

/O LSHF r/q/n All Auto Engine Assist Control
/I LSHF n Auto RPM Limiter Control

APUON

/I RCTL b Arm Bombs

SCU

KP0 Snap View Up Modifier

SCD

KPENT Snap View Down Modifier

SCL/R

/O RCTL -/= Water Rad Close/Open²⁵⁶⁷⁸⁹⁰
/I RCTL/RSHF \ Oil Rad Close/Open

SCP

KP. Snap View Custom Modifier

LTB

/I LCTL BSP Eject

PSF

/O LSHF k Cockpit Lights
/I RSHF l Landing Lights²³⁵⁶⁷⁸

PSB

/O RCTL i Nav Lights

FLAPU/D

/O LSHF/LCTL f Retract/Extend Flaps
/I RSHF/RCTL g Retract/Extend Gear

LDGH

/I LCTL r Flight Record

APPAT

/O LSHF s Supercharger Mode¹²³⁴⁶⁷⁸⁹⁰

APENG

/O RSHF b Bomb Salvo Mode¹⁵
/I RSHF r Rocket Salvo Mode¹²⁵⁶

EACON

/I RALT c Canopy

MSL/R

/O LALT -/= Outlet Cowl Shutters Close/Open³⁴
/I LCTL -/= Inlet Cowl Shutters Close/Open¹³⁴

THRL

RSHF +/- Prop RPM +/-

IDLERON

LSHF e Start All Engines

MSP

/I F12 Re-center Track IR

TG1

/O RALT SPC Fire Wpn Gp 1
/I LALT SPC Fire Wpn Gp 2¹²⁵⁶⁷⁸

TG2

/O LSHF SPC Fire All Guns
/I LSHF SPC Fire All Guns

S1

/O RSHF q Drop Bombs
/I RCTL q Fire Rockets¹²⁵⁶

S2

/I LCTL SPC Fire Personal Weapon/Flare Gun

S3

/O Non-Shifted Function
/I Shifted Function

S4

RCTL KP0 Quickview Maximum

CSU

/O RALT o Map

H1

H1U /O RALT up Trim Elevator Nose Down²³⁴⁵⁶⁷⁸⁹⁰
/I LSHF b Engine Boost¹³
H1D /O RALT down Trim Elevator Nose Up²³⁴⁵⁶⁷⁸⁹⁰
/I RALT t Reset Elevator/Aileron/Rudder Trim²³⁴⁵⁶⁷⁸⁹⁰
H1L /O LALT z Trim Rudder Nose Left²³⁴⁵
/I RALT left Aileron Roll Left²³
H1R /O LALT x Trim Rudder Nose Right²³⁴⁵
/I RALT right Aileron Trim Roll Right²³

H2

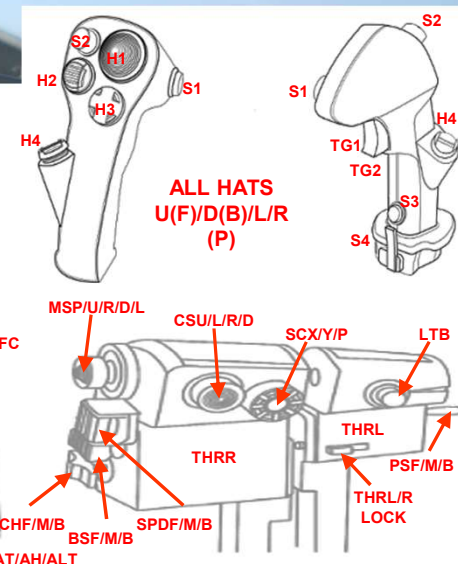
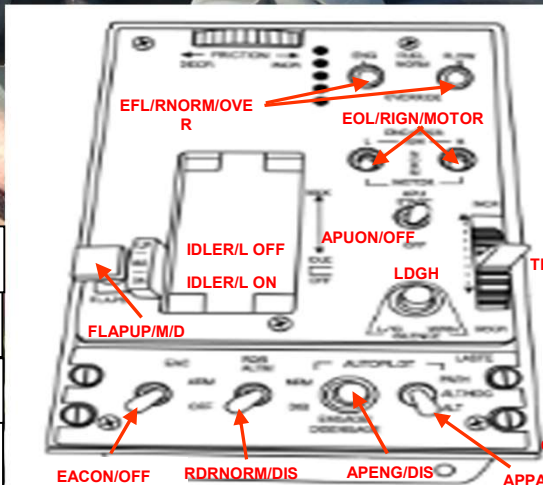
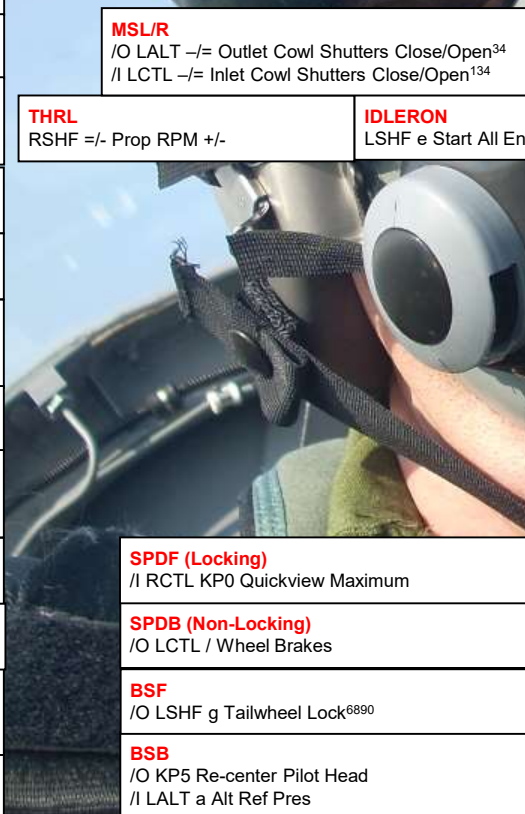
H2U /O a Full Autopilot
/I LCTL 4 LCTL ` Load/Stow Personal Weapon
H2D /O LSHF u Level Autopilot
/I LCTL 3 LCTL ` Load/Stow White Flare
H2L /O LSHF z Left Turn Autopilot
/I LCTL 1 LCTL ` Load/Stow Red Flare
H2R /O LSHF x Right Turn Autopilot
/I LCTL 2 LCTL ` Load/Stow Green Flare

H3

H3U DXHATUP Snap View Up
H3D DXHATDOWN Snap View Down
H3L DXHATLEFT Snap View Left
H3R DXHATRIGHT Snap View Right

H4

H4U /O LSHF ` PTT TS Whisper Wingman
/I LSHF w PTT SRS Intercom
H4D /O LCTL PGDN PTT TS Whisper All
/I LSHF w PTT SRS Rad 2
H4L /O LCTL KP- TS Radio Ch -
/I RSHF KP- SRS Radio Ch -
H4R /O LCTL KP+ TS Radio Ch +
/I RSHF KP+ SRS Radio Ch +
H4P /O RCTL ` PTT TS Selected Channel
/I LSHF w PTT SRS Rad 1



LEGEND
1 = A-20B only
2 = PE-2 ser 35 only
3 = PE-2 Ser 87 only

MULTI-ENGINE SELECTION
0 Select All Engines
1 Select Engine 1
2 Select Engine 2

SCU
KP0 Snap View Up Modifier

SCD
KP. Snap View Custom Modifier

SCL/R
/O RCTL -/= Water Rad Close/Open²³
/I RCTL/RSHF \ Oil Rad Close/Open²

SCP
KPEnt Snap Down Custom Modifier

EOLMOTOR
/O LSHF r Auto Oil/Water Rad Control
/I LSHF q Auto Mix/Supercharger Control

EORMOTOR
/O LSHF r/q/n All Auto Engine Assist Control
/I LSHF n Auto RPM Limiter Control

APUON
/O LALT f Feather Selected Engine¹
/I RCTL b Arm Bombs

MSU/D
/I RSHF +/- Prop High/Low Pitch²

MSL/R
/O LALT -/= Outlet Cowl Shutters Close/Open¹
/I LCTL -/= Inlet Cowl Shutters Close/Open¹

LTB
/I LCTL BSP Eject

PSF
/O LSHF k Cockpit Lights
/I RSHF l Landing Lights

PSB
/O RCTL l Nav Lights

FLAPU/D
/O LSHF/LCTL f Retract/Extend Flaps
/I RSHF/RCTL g Retract/Extend Gear

LDGH
/O LSHF / Parking Brakes¹
/I LCTL r Flight Record

APPAT
/O LSHF s Supercharger Mode

APENG
/O RSHF b Bomb Salvo Mode
/I RSHF r Rocket Salvo Mode²³

RDRNORM
/O RSHF n Bomb Bay Doors
/I LCTL b Bomb Delay

EACON
/O RSHF v Bomb Sight
/I RALT c Canopy

IL2 – BOS Thrustmaster WARTHOG TARGET Profile Allied Bombers

For IL2 – BOS – Warthog – Plane Profile.fcf
by Nick "Darkdiz" Lisney
V06012021

MSP
/O LALT r Reload Guns
/I F12 Re-center Track IR

EFLNORM
/O RCTL a Rearm Process

EFRNORM
/O RCTL f Refuel Process

EOLIGN
/I LSHF e Restart Selected Engine

THRL
RSHF +/- Prop RPM +/-¹³

IDLERON
LSHF e Start All Engines

TFC
RALT +/- Engine Mixture +/-

SPDF (Locking)
/ O RALT b Airbrakes/Auto Dive Recovery System²³
/I RCTL KP0 Quickview Maximum

SPDB (Non-Locking)
/O LCTL / Wheel Brakes

BSF
/I LCTL d Dive Recovery System²³

BSB
/O KP5 Re-center Pilot Head
/I LALT a Alt Ref Pres

TG1
/O RALT SPC Fire Wpn Gp 1

TG2
/O LSHF SPC Fire All Guns
/I LSHF SPC Fire All Guns

S1
/O RSHF q Drop Bombs etc
/I RCTL q Fire Rockets²³

S2
/I LCTL SPC Fire Personal Weapon/Flare Gun

S3
/O Non-Shifted Function
/I Shifted Function

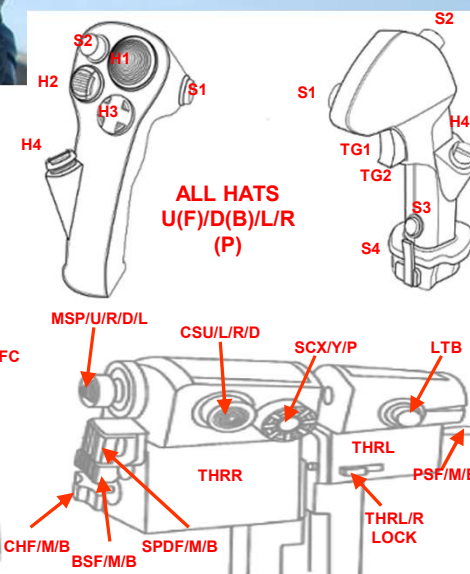
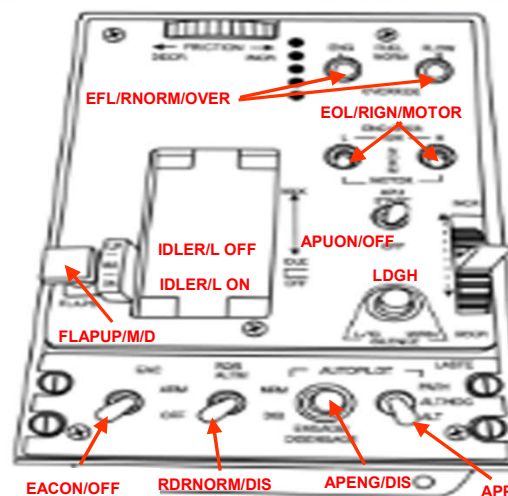
S4
RCTL KP0 Quickview Maximum

H1
H1U /O RALT up Trim Elevator Nose Down
H1D /O RALT down Trim Elevator Nose Up
/I RALT t Reset Elevator/Aileron/Rudder Trim
H1L /O LALT z Trim Rudder Nose Left
/I RALT Left Trim Aileron Roll Left
H1R /O LALT x Trim Rudder Nose Right
/I RALT Right Trim Aileron Roll Right

H2
H2U /O a Full Autopilot
/I LCTL 4 LCTL ` Load/Stow Personal Weapon
H2D /O LSHF u Level Autopilot
/I LCTL 3 LCTL ` Load/Stow White Flare
H2L /O LSHF z Left Turn Autopilot
/I LCTL 1 LCTL ` Load/Stow Red Flare
H2R /O LSHF x Right Turn Autopilot
/I LCTL 2 LCTL ` Load/Stow Green Flare

H3
H3U DXHATUP Snap View Up
H3D DXHATDOWN Snap View Down
H3L DXHATLEFT Snap View Left
H3R DXHATRIGHT Snap View Right

H4
H4U /O LSHF ` PTT TS Whisper Wingman
/I LSHF w PTT SRS Intercom
H4D /O LCTL PGDN PTT TS Whisper All
/I LSHF w PTT SRS Rad 2
H4L /O LCTL KP- TS Radio Ch -
/I RSHF KP- SRS Radio Ch -
H4R /O LCTL KP+ TS Radio Ch +
/I RSHF KP+ SRS Radio Ch +
H4P /O RCTL ` PTT TS Selected Channel
/I LSHF w PTT SRS Rad 1



LEGEND
 1 = JU-87 D3 only
 2 = JU-88 A4 only
 3 = HE-111 H6 only
 4 = HE-111 H16 only
 5 = HS-129 B2 only
 6 = JU-52/3M g4e only

MULTI-ENGINE SELECTION²³⁴⁵⁶
 0 Select All Engines
 1 Select Engine 1
 2 Select Engine 2
 3 Select Engine 3⁶

EFLNORM
 /O RCTL a Rearm Process

EOLIGN
 /I LSHF e Restart Selected Engine

EOLMOTOR
 /O LSHF r Auto Oil/Water Rad Control
 /I LSHF q Auto Mix/Supercharger Control

APUON
 /O LALT f Feather Selected Engine²³⁴⁵
 /I RCTL b Arm Bombs

LTB
 /I LCTL BSP Eject

PSF
 /O LSHF k Cockpit Lights
 /I RSHF l Landing Lights¹²³⁴⁶

PSB
 /O RCTL l Nav Lights

FLAPU/D
 /O LSHF/LCTL f Retract/Extend Flaps
 /I RSHF/RCTL g Retract/Extend Gear⁶

LDGH
 /O LSHF / Parking Brakes⁶
 /I LCTL r Flight Record

APPAT
 /O LSHF s Supercharger Mode¹²³⁴
 /I RSHF i Prop Pitch Control Mode⁵

APENG
 /O RSHF b Bomb Salvo Mode¹²³⁴

RDRNORM
 /O RSHF n Bomb/Cargo Bay Doors¹²³⁴⁶
 /I LCTL b Bomb Delay²³⁴

EACON
 /O RSHF v Bomb Sight¹²³⁴
 /I RALT c Canopy

IL2 – BOS Thrustmaster WARTHOG

TARGET Profile Axis Bombers

For IL2 – BOS – Warthog – Planes Profile.fcf
 by Nick "Darkdiz" Lisney
V06012021

EFRNORM
 /O RCTL f Refuel Process
 /I RALT v Gunsight Filter²

EORMOTOR
 /O LSHF r/q/n All Auto Engine Assist Control
 /I LSHF n Auto RPM Limiter Control

THRL
 RSHF +/- Prop RPM +/-¹²³⁴

IDLERON
 LSHF e Start All Engines

TFC
 RALT +/- Engine Mixture +/-⁵⁶

SCU
 KP0 Snap View Up Modifier

SCD
 KP. Snap View Custom Modifier

SCL/R
 /O RCTL +/- Water Rad Close/Open¹³⁴
 /I RCTL/RSHF \ Oil Rad Close/Open¹³⁴⁶

SCP
 KPENT Snap View Down Modifier

SPDF (Locking)
 /O RALT b Airbrakes/Auto Dive Recovery System¹²
 /O LALT s Attack Siren¹
 /I RCTL KP0 Quickview Maximum

SPDB (Non-Locking)
 /O LCTL / Wheel Brakes

BSF
 /O LSHF g Tailwheel Lock¹
 /I LCTL d Dive Recovery System¹²

BSB
 /O KP5 Re-center Pilot Head
 /I LALT a Alt Ref Pres

CHF/B
 /I RSHF/RCTL k Contact Altimeter +/-¹²

TG1
 /O RALT SPC Fire Wpn Gp 1¹
 /I LALT SPC Fire Wpn Gp 2¹

TG2
 /O LSHF SPC Fire All Guns¹
 /I LSHF SPC Fire All Guns¹

S1
 /O RSHF q Drop Bombs/Cargo

S2
 /I LCTL SPC Fire Personal Weapon/Flare Gun

S3
 /O Non-Shifted Function
 /I Shifted Function

S4
 RCTL KP0 Quickview Maximum

MSU/D
 /I RSHF +/- Prop High/Low Pitch⁵

MSP
 /O LALT r Reload Guns¹²³⁴
 /I F12 Re-center Track IR

MSL/R
 /O LALT +/- Outlet Cowl Shutters Close/Open²
 /I LCTL +/- Inlet Cowl Shutters Close/Open⁶

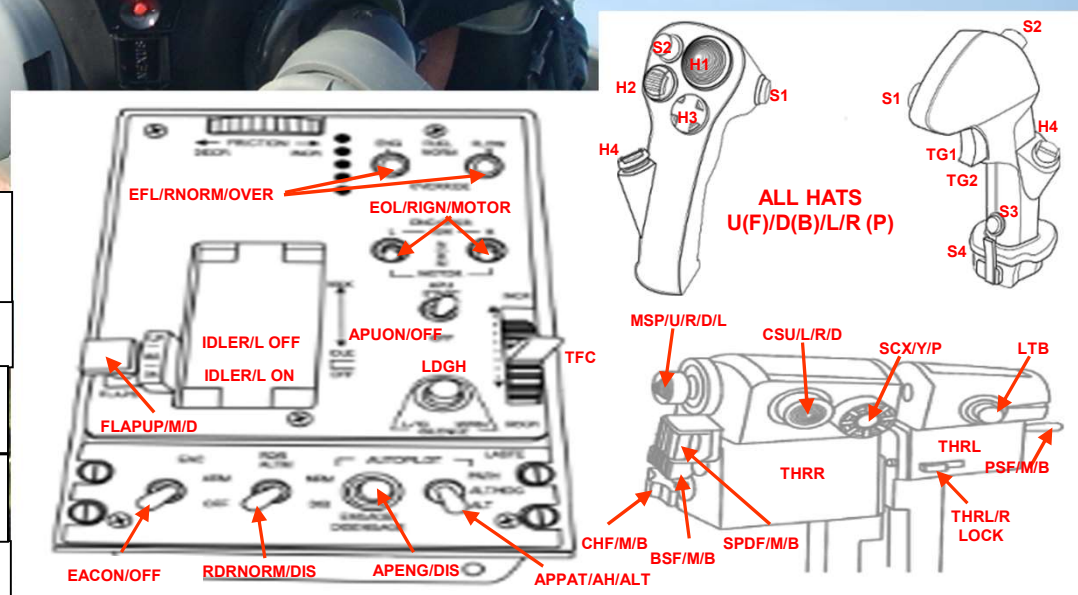
CSU
 /O RALT o Map

H1
 H1U /O RALT up Trim Elevator/Stabilizer Nose Down
 H1D /O RALT down Trim Elevator/Stabilizer Nose Up
 /I RALT t Reset Elevator/Aileron/Rudder Trim
 H1L /O LALT z Trim Rudder Nose Left
 /I RALT left Trim Aileron Roll Left²³⁴
 H1R /O LALT x Trim Rudder Nose Right
 /I RALT right Trim Aileron Roll Right²³⁴

H2
 H2U /O a Full Autopilot
 /I LCTL 4 LCTL ` Load/Stow Personal Weapon
 H2D /O LSHF u Level Autopilot
 /I LCTL 3 LCTL ` Load/Stow White Flare
 H2L /O LSHF z Left Turn Autopilot
 /I LCTL 1 LCTL ` Load/Stow Red Flare
 H2R /O LSHF x Right Turn Autopilot
 /I LCTL 2 LCTL ` Load/Stow Green Flare

H3
 H3U DXHATUP Snap View Up
 H3D DXHATDOWN Snap View Down
 H3L DXHATLEFT Snap View Left
 H3R DXHATRIGHT Snap View Right

H4
 H4U /O LSHF ` PTT TS Whisper Wingman
 /I LSHF w PTT SRS Intercom
 H4D /O LCTL PGDN PTT TS Whisper All
 /I LSHF w PTT SRS Rad 2
 H4L /O LCTL KP- TS Radio Ch -
 /I RSHF KP- SRS Radio Ch -
 H4R /O LCTL KP+ TS Radio Ch +
 /I RSHF KP+ SRS Radio Ch +
 H4P /O RCTL ` PTT TS Selected Channel
 /I LSHF w PTT SRS Rad 1



LEGEND

1 = T-34-76 (1943)
 2 = KV-1s
 3 = M4A2 "Sherman"
 4 = SU-122
 5 = SU-152
 6 = PzKpfw III Ausf.M
 7 = PzKpfw IV Ausf.G
 8 = PzKpfw V Ausf.D "Panther"
 9 = PzKpfw VI Ausf.H1 "Tiger"
 0 = Sd. Kfz. 184 "Ferdinand"
X = T-34-76 (1942) Only
Y = PzKpfw III Ausf.L Only

IL2 – BOS Thrustmaster WARTHOG TARGET Profile Tank Crew For IL2 – BOS – Warthog – Tanks.fcf by Nick "Darkdiz" Lisney V06012021

EFLNORM

/O RCTL a Rearm Process

EFRNORM

/O RCTL f Refuel Process

CSU

/O LALT t Control Guns
 /I LSHF t Nestle to Gunsight

CSL/R

/O RALT ./; Gunsight Range -/+
 /I RALT //, Gunsight Base -/+

CSD

/O RALT ' Reset Gunsight
 /I LSHF c Change Firing Px

MSU

LWIN 0 Crew Position 0

MSP

/O LALT r Reload Guns
 /I F12 Re-center Track IR

MSD

LWIN 2 Crew Position 2^{XX}

TG1/2

RALT SPC Fire Main

S1

LALT SPC Fire Secondary

S2

/O LCTL c Next Free Combat Post
 /I LCTL SPC Fire Personal Weapon/Flare^{XX}

S3

/O Non-Shifted Function
 /I Shifted Function

S4

RCTL KP0 Quickview Maximum

H1

H1U /O RSHF ; Adjust Visor Down
 /I LSHF v Nestle to Visor
 H1D /O RSHF , Adjust Visor Up
 /I RSHF ' Reset Visor
 H1L RSHF , Adjust Visor Left
 H1R RSHF / Adjust Visor Right

H2

H2U /I LCTL 4 LCTL ` Load/Stow Personal Weapon^{XX}
 H2D /O RALT g Select Ammo
 /I LCTL 3 LCTL ` Load/Stow White Flare^{XX}
 H2L /O LSHF z Compass Director Left
 /I LCTL 1 LCTL ` Load/Stow Red Flare^{XX}
 H2R /O LSHF x Compass Director Right
 /I LCTL 2 LCTL ` Load/Stow Green Flare^{XX}

H3

H3U DXHATUP Snap View Up
 H3D DXHATDOWN Snap View Down
 H3L DXHATLEFT Snap View Left
 H3R DXHATRIGHT Snap View Right

H4

H4U /O LSHF ` PTT TS Whisper Wingman
 /I LSHF w PTT SRS Intercom
 H4D /O LCTL PGDN PTT TS Whisper All
 /I LSHF w PTT SRS Rad 2
 H4L /O LCTL KP- TS Radio Ch -
 /I RSHF KP- SRS Radio Ch -
 H4R /O LCTL KP+ TS Radio Ch +
 /I RSHF KP+ SRS Radio Ch +
 H4P /O RCTL ' PTT TS Selected Channel
 /I LSHF w PTT SRS Rad 1

SCU

KP0 Snap View Up Modifier

SCD

KP. Snap View Custom Modifier

SCP

KPENT Snap View Down Modifier

LTB

/I LCTL BSP Eject

PSF

LSHF k Internal Lights^{XX}

PSB

RSHF I External Lights

LDGH

/O LALT s Horn
 /I LCTL r Record

APPAT

/O RALT o Map
 /I LCTL 5 LCTL ` Binoculars^{XX}

APENG

e Start All Engines

APALT

/O LSHF f Fuel Meter Tank Selector
 /I LCTL f Fuel Meter Pump Pressure

EACON

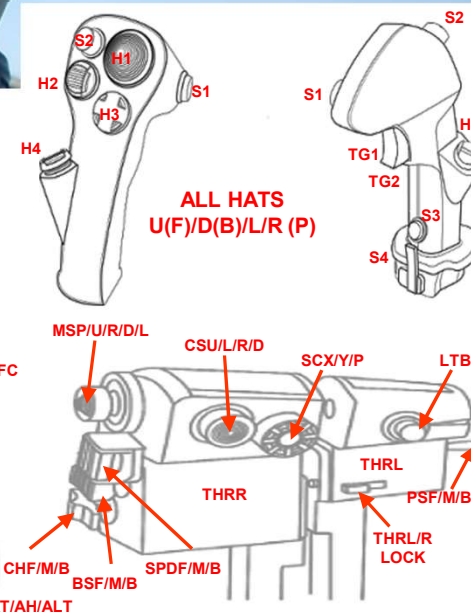
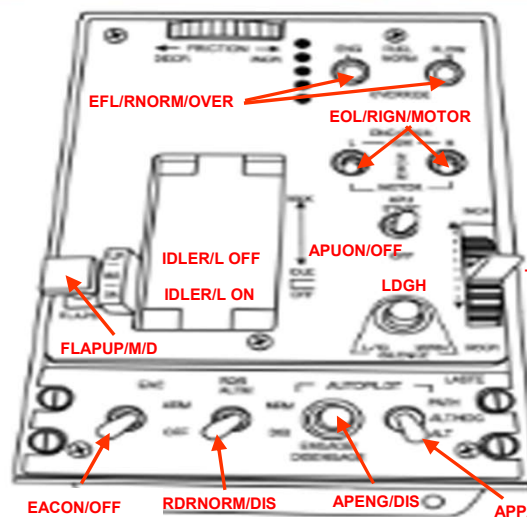
/O RALT c Hatch
 /I RCTL c Visor

MSL

LWIN 3 Crew Position 3^{XX}

MSR

LWIN 1 Crew Position 1



IL-2 T&G Logitech G-13 Layout

