

## ENGINE START LEVERS

- energizes the ignition system through EEC
- electrically opens engine fuel SOV via the EEC (opens FMV which opens the HPSOV on HMU)
- electrically opens spar fuel valve (wing leading edge outboard of the cowlings)

Note: engine running relay senses engine running when the N2 is 50%



### **CUTOFF**

- ignition system is de-energized
- electrically closes the engine fuel valve (energizes the HPSOV solenoid on the HMU, closing the HPSOV)
- electrically closes the spar fuel valve
  - an engine fuel spar valve battery makes sure that the spar valve always has power to close

## STAR TRIM CUTOUT SWITCHES

- provided to allow the main electric or autopilot trim inputs to be disconnected from the stab trim motor
- these switches are used in the Stabilizer Runaway Checklist

**MAIN ELEC**

**NORMAL**

- normal operating position

## CUTOUT

- stops the main electrical (runaway) trim inputs to the stabilizer trim actuator

## AUTOPilot

## NORMAL

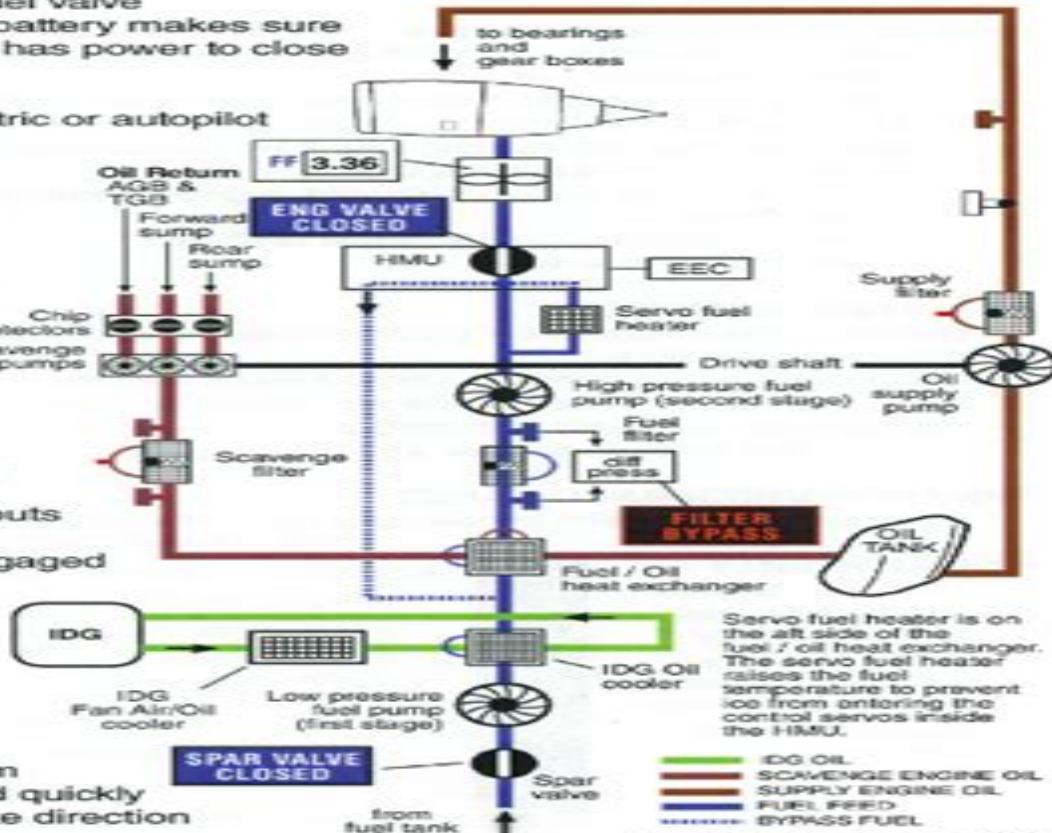
- normal operating position

## CUTOOUT

- stops the autopilot trim inputs to the stab trim actuator
- autopilot disengages if engaged

### **Trim System Notes**

- control column cutout switch stops the stab trim actuator when the pilot moves the control column in a direction opposite to the trim direction (out of the neutral range)
  - this can arrest a runaway trim
- to test, trim in one direction and quickly move control column in opposite direction



# B737 Fmc User Guides

**David P. Gradwell,Elizabeth S.  
Wilkinson**

## B737 Fmc User Guides:

**Air Navigation** Octavian Thor Pleter,2024-04-22 This book takes a new approach to air navigation extending the classic scope of positioning and guidance to efficient and safe 4D flight trajectory management Modern air navigation aims at flight trajectories optimisation There is an infinite number of solutions to the classic navigation problem of flying from one airport to another but most of them are wasteful of resources and even risky Minimising all costs and risks incurred by the 4D flight trajectory makes air navigation both efficient and safe which are key factors in air navigation services Beyond minimising fuel burn and CO2 efficiency addresses non CO2 emissions and noise This is a visually intensive book using examples and case studies to illustrate the concepts the physics of navigation and the mathematical models involved Numerical examples reflect its problem solving nature It is useful to aerospace students engineers pilots air traffic controllers technicians and scientists curious about aviation

*Boeing 737 Encyclopedia* Facundo Conforti, One of the most flown aircraft in the world A masterpiece of engineering that has set a milestone in the history of aviation In this work you will learn everything related to this outstanding aircraft and its creator a pioneer in aviation history who forever shaped the industry William Boeing You will explore everything about the operation of a Boeing 737 including all the aircraft systems and each button and knob on its panels You ll delve into its executive and presidential models as well as every operational variant This unparalleled work will serve as both a study guide and an entertaining encyclopedia An engaging and professional work with the highest level of operational detail

*Air Line Pilot* ,1997 *Boeing 737 panels* Facundo Conforti,2023-04-24 The panels of a commercial aircraft are usually a mystery to some pilots who want to enjoy these wonderful works of aeronautical engineering Understanding the operation of each knob each button each indicator and each part of the aircraft panels seems to be an almost impossible mission for those who have not been lucky enough to take the aircraft habilitation course In this work we will make it simple and easy A book dedicated exclusively to the panels of the fabulous Boeing 737 NG In each chapter you will learn each part of the panels each function each indication After this reading it will be enough to look at the panels of the cockpit in a B737 and you will understand what you are seeing perfectly It is not a system manual but a descriptive and analytical manual of each panel of the aircraft An ideal complement to the book Introduction to 737 of this collection where you learn all the aircraft s systems Here you will learn all the sections of the upper panel overhead panel main flight panels main panels lower panel pedestal panel and much more

*Aircraft Performance and Sizing, Volume II* Timothy Takahashi,2017-12-15 This book is a concise practical treatise for the student or experienced professional aircraft designer This volume comprises key applied subjects for performance based aircraft design systems engineering principles aircraft mass properties estimation the aerodynamic design of transonic wings aircraft stability and control takeoff and landing runway performance This book may serve as a textbook for an undergraduate aircraft design course or as a reference for the classically trained practicing engineer

*AIR CRASH INVESTIGATIONS, CAPTAIN LOST CONTROL The Crash of Kenya*

Airways Flight 507 Hank Williamson, editor, 2012-07-01 During the night of 04th May 2007 the B737 800 registration 5Y KYA operated by Kenya Airways as flight KQA 507 from Abidjan international airport Côte d'Ivoire to the Jomo Kenyatta airport Nairobi Kenya made a scheduled stop over at the Douala international airport Cameroon The weather was stormy A number of departing planes decided to wait for the weather to improve Kenya Airways however decided to depart Shortly after take off at about 1000 ft the aircraft entered into a slow right roll that increased continuously and eventually ended up in a spiral dive On the 5th May 2007 at approximately 0008 hrs the airplane crashed in a mangrove swamp South South East of Douala All 114 people on board were killed and the airplane was completely destroyed The airplane crashed after loss of control by the crew as a result of spatial disorientation after a long slow roll during which no instrument scanning was done and in the absence of external visual references in a dark night     FMC User's Guide Bill Bulfer, Leading Edge Libraries, Skeet

Gifford, 1991     **Test and Evaluation of a Multifunction Keyboard and a Dedicated Keyboard for Control of a Flight Management Computer**, 1986     **Device Simulation Models** Holly Kathleen Hughes Graham, 1996     **Ernsting's**

**Aviation and Space Medicine** David P. Gradwell, Elizabeth S. Wilkinson, 2025-05-30 Ernsting's Aviation and Space Medicine applies current understanding in medicine physiology and the behavioural sciences to the medical challenges and stresses that are faced by both civil and military aircrew and their passengers on a daily basis The sixth edition of this established textbook and clinical reference has been revised and updated by a multidisciplinary team of experienced contributors many new to this edition The structure of the book has been refined bringing related chapters together where appropriate while the clinical content has been carefully streamlined in line with the specific requirements of the aviation medicine practitioner and adviser with new chapters added on Commercial Space Travel Skin Disease and Women's Health Key Features

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also recommended reading for those with a wider interest in the medical problems of professional or recreational flying air transport and the aviation industry *Airways* ,2007 *Human Factors in Computing Systems* ,1994 **4D-TECS**  
Integration for NASA TSRV Airplane I. Kaminer,1989 **Encyclopedia of Technical Aviation** Gary V. Bristow,2002-10-16  
This handy reference will be valuable to pilots managers planners designers engineers safety directors and flight instructors who need fast answers to technical aviation questions Includes hundreds of diagrams and illustrations **Flight International** ,1996 *Aircraft & Aerospace Asia-Pacific* ,2004 **23rd DASC** ,2004 **F&S Index Europe Annual**  
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