

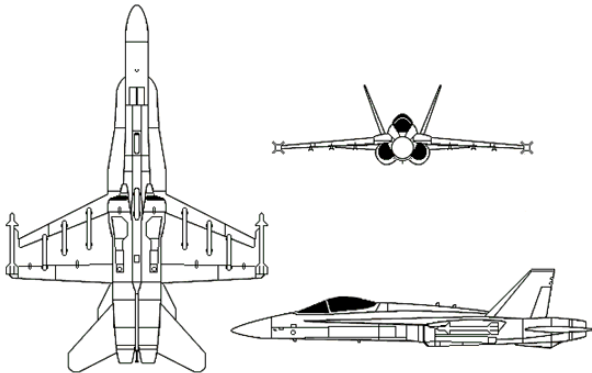
# DCS F/A-18C Hornet

CREW CHECKLIST  
NORMAL PROCEDURES

MODEL F/A-18C LOT 20

**NOT FOR REAL WORLD OPERATIONS**

THIS DOCUMENT IS MADE FOR USE WITH  
DIGITAL COMBAT SIMULATOR (DCS)



APPROVED FOR RELEASE TO ALL  
DCS PILOTS

OpenFlightSchool.de

Version & Last change:

See Header/Footer on each page



## NOTES

### **BOLD TEXT - BASIC COURSE CHECKS**

NORMAL TEXT - FULL CHECKS

*ITALIC TEXT - GUIDANCE*

Title Case - Flight profile guidance

~~Strikeout~~ - Check not yet implemented

GREY - Not Required in DCS

## ABBREVIATIONS

ACC ..... ACCUMULATOR  
 ALT ..... ALTIMETER  
 ANT ..... ANTENNA  
 ATT ..... ATTITUDE  
 AV ..... AVIONICS  
 BATT ..... BATTERY  
 BIT ..... BUILT IN TEST  
 BLIN ..... BIT LOGIC INSPECTION  
 BRK ..... BRAKE  
 BRT ..... BRIGHT  
 CAS Control Augmentation System  
 CAUT ..... CAUTION  
 CHAN ..... CHANNEL  
 COMM ..... COMMUNICATIONS  
 CTRL ..... CONTROL  
 CPHR ..... CYPHER  
 DSR'D ..... DESIRED  
 DISCONN ..... DISCONNECTED  
 DN ..... DOWN  
 E ..... EMERGENCY  
 EGT ..... EXHAUST GAS TEMP  
 ELEC ..... ELECTRICAL  
 ENG ..... ENGINE  
 EXER ..... EXERCISER  
 EXT ..... EXTERNAL  
 FWD ..... FORWARD

FF ..... FUEL FLOW  
 FLT ..... FLIGHT  
 GEN ..... GENERATOR  
 GRD ..... GUARD  
 INS ..... INERTIAL NAV SYSTEM  
 INSTRS ..... INSTRUMENTS  
 INTR ..... INTERNAL  
 ISOL ..... ISOLATOR  
 JETT ..... JETTISON  
 LDR ..... LANDING  
 L ..... LEFT  
 L/R ..... LEFT & RIGHT  
 LT ..... LIGHT  
 MAN ..... MANUAL  
 MSTR ..... MASTER  
 NAV ..... NAVIGATION  
 NORM ..... NORMAL  
 NWS ..... NOSE WHEEL STEERING  
 NU ..... NOSE UP  
 NUC ..... NUCLEAR  
 OXY ..... OXYGEN  
 PBIT ..... POWER UP BIT  
 PPH ..... LBS / HOUR  
 PRESS ..... PRESSURE  
 PSI ..... LBS / INCH<sup>2</sup>  
 PWR ..... POWER  
 RADALT ..... RADAR ALTIMETER  
 RLY ..... RELAY  
 RPM ..... REVOLUTIONS / MINUTE  
 REQ'D ..... REQUIRED  
 R ..... RIGHT  
 RWR ..... RADAR WARN RX  
 RX ..... RECEIVER  
 SEL ..... SELECTOR  
 SNSR ..... SENSORS  
 SQCH ..... SQUELCH

STBY ..... STANDBY  
 STDY ..... STEADY  
 SW ..... SWITCH  
 T/O ..... TAKE-OFF  
 TEMP ..... TEMPERATURE  
 U ..... UTILITY  
 UNLK ..... UNLOCK  
 VOL ..... VOLUME  
 WARN ..... WARNING  
 WPN ..... WEAPON  
 WPT ..... WAYPOINT  
 XMT ..... TRANSMIT

VOL PANEL ..... AS DSR'D  
 GEN TIE CTRL ..... NORM/GRD DN  
 FCS GAIN SW ..... NORM  
 PROBE SW ..... RETRACT  
 EXT TANKS SW ..... NORM  
 DUMP SW ..... OFF  
 INTR WING SW ..... NORM  
 EXT LT PANEL ..... SET  
 THROTTLES ..... OFF  
 PARK BRK ..... SET  
 LDG/TAXI LT SW ..... OFF  
 ANTI SKID SW ..... ON

**NORMAL CHECKLIST (NCL)**

**INTERIOR CHECK**

LEFT CONSOLE

CIRCUIT BREAKERS (4) ..... IN  
~~MAN CANOPY HANDLE~~ ..... ~~STOWED~~  
 NUC WPN SW ..... AS REQ'D  
 MC SW ..... NORM  
 HYD ISOL SW ..... NORM  
 OBOGS CTRL SW ..... OFF  
 OXY FLOW ..... OFF\*

*\* In DCS it is ON at start by default.*

ANT SEL COMM 1 ..... AUTO  
 ANT SEL IFF ..... BOTH

COMM PANEL ..... SET  
 - RLY CPHR, ~~SOCH~~, GRD SW .. OFF  
 - ILS CHAN/SW ..... SET/UFC  
 - MSTR SW ..... NORM  
 - MODE 4 SW ..... OFF  
 - CRYPTO SW ..... NORM

**WARNING**  
*ANTI-SKID SW set OFF  
 for all carrier operations.*

FLAP SW ..... FULL  
 SELECT JETT ..... SAFE  
 LDG GEAR ..... DN  
 CANOPY JETT ..... FWD

INSTRUMENT PANEL

MSTR ARM SW ..... SAFE  
 FIRE, APU FIRE WARN LT ... NOT IN  
 L/R DDI, MPCD, HUD ..... OFF  
 ALT SOURCE SW ..... SELECT  
 ATT SW ..... AUTO  
 COMM 1 & 2 ..... OFF  
 ADF SW ..... OFF  
 ECM MODE ..... OFF  
 DISPENSER SW ..... OFF  
 AUX REL SW ..... NORM  
 SARI ..... CAGE  
 IR COOL SW ..... OFF  
 SPIN SW ..... GRD DN/NORM

**RIGHT CONSOLE**

CIRCUIT BREAKERS (4) ..... IN  
 HOOK ..... UP  
 WING FOLD ..... WING POS  
 AV COOL SW ..... NORM  
 RADALT ..... OFF  
 L/R GEN SW ..... NORM  
 BATT SW ..... OFF

ECS PANEL ..... SET  
 - MODE SW ..... AUTO  
 - CABIN TEMP ..... 10 O’CLOCK  
 - CABIN PRESS SW ..... NORM  
 - BLEED AIR ..... NORM  
 - ENG ANTI ICE SW ..... OFF  
 - PITOT ANTI ICE SW ..... AUTO

DEFOG ..... MID RANGE  
 WINDSHIELD SW ..... OFF

INTR LT PANEL ..... AS DSR’D  
 - MODE SW ..... DAY

SNSR PANEL ..... OFF/SAFE  
 KY-58 PANEL ..... SET

**ENGINE START**

**NOTE**

*To perform a valid battery check, the check must be accomplished without ground power applied.*

**IF NORM BATT START**

BATT STATUS ..... CHECK  
 - BATT SW ..... ORIDE

- E BATT VOLTAGE ..... CHECK\*  
 - BATT SW ..... ON  
 - U BATT VOLTAGE ..... CHECK\*  
     \* After battery switch ON for min. 5 sec. check for min. voltage of 23.5 V.  
     With cold weather temp down to -18°C a min. of 20.5V.

**IF EXT ELEC PWR START**

GND CREW ..... Req Gnd Pwr  
 EXT PWR SW ..... RESET  
 GND PWR SW 1, 2, 4 ..... B ON\*  
     \* Hold switch 1 for 3 seconds.  
 L/R DDI, MPCD, HUD ..... ON  
 COMM 1, 2, ADF ..... AS DSR’D  
 WARN & CAUT LT ..... TEST  
 INS ..... ENTER WPTS

**ALL STARTS**

**BATT SW ..... ON**

FIRE WARN TEST  
 - FIRE TEST SW ..... TEST A\*  
 - FIRE TEST SW ..... NORM\*\*  
 - FIRE TEST SW ..... TEST B \*  
     \* Hold until all lights and aural warnings indicate tests have been successfully passed.  
     \*\* Pause 7 sec or cycle BATT switch for reset.

**APU START**

APU ACC CAUT LT ..... OFF  
**APU SW ..... ON**  
**APU READY ..... CHECK\***  
     \* READY light within 30 seconds.

**CAUTION**

*A minimum of 2 minutes must elapse between APU shutdown and another APU start.*

IF EXT AIR START

BLEED AIR ..... OFF

ALL STARTS

**ENG CRANK SW ..... R**

**CAUTION**

*Holding the engine crank switch in L or R may cause damage.*

**IFEI ENG R RPM>15% ... CHECK RIGHT THROTTLE ..... IDLE GPWS VOICE ALERTS .. CHECK\***

*\* "ROLL LEFT, ROLL LEFT ...".*

**L/R DDI, MPCD, HUD, UFC .. ON RADALT ..... AS DESIRED\***

*\* OFS SOP: CV start 40ft for cold shot, CV 450 ft, Ashore 1.000 ft.*

HMD SWITCH ..... AS REQ'D

**IFEI R ENG ..... CHECK**

**GROUND IDLE**

**N2 ..... 63-70 %**

**EGT..... 190-590 °C**

**FF ..... 420-900 PPH**

**NOZZLE ..... 73-84 %**

**OIL PRES ..... 45-110 PSI**

**NOTE**

*The bleed air shutoff valves close during the fire warning test and the BLEED AIR knob must be cycled through OFF to NORM with ac power on to reset the valves.*

IF APU OR CROSSBLEED START

BLEED AIR ... THRU OFF TO NORM\*

*\* Only after fire warning test.*

WARN & CAUT LT ..... TEST

**NOTE**

*For a crossbleed start, ensure APU switch is OFF and > 80% rpm and > 2,200 pph FF*

**ENG CRANK SW ..... L**

**IFEI ENG L RPM>15% ... CHECK**

**LEFT THROTTLE ..... IDLE**

ENG CRANK SWITCH ... CHECK OFF

IF EXT AIR START

BLEED AIR ..... NORM

ALL STARTS

**IFEI L ENG ..... CHECK**

**EXT ELEC & AIR ..... DISCONN\***

*\* If required.*

**BEFORE TAXI**

WPT ZERO & MVAR ..... CHECK

**NOTE**

*To achieve the best align quality and align complete in the minimum time, waypoint zero should be the true position within 0.01 nautical miles (60 feet or 0.6 seconds.)*

**CANOPY ..... AS DESIRED**  
**AMPCD MAP ..... OFF\***

*\* Press 2 x PB03 (MODE).*

**INS ..... GND/CV\***

*\* Parking brake set.*

*\* GND when GPS is not available.*

*\* STD HDG (HSI/PB20) fast align.*

**RADAR ..... OPR**

WING FOLD ..... SPREAD & LOCK

**CAUTION**

*Wait 5 sec after wings are fully spread before placing the WING FOLD handle to LOCK.*

**FCS RESET ..... DEPRESS**

**IF NO RESET**

T/O TRIM BUTTON ..... PUSH\*

*\* NOTE [ADV-TRIM]*

FCS EXER MODE ..... INITIATE\*\*

*\*\* Lift FCS BIT SW and push FCS RESET simultaneously.*

**IF STILL NO RESET**

FCS CCT BRKRS (2xL, 2xR) ..... PULL

WAIT ..... 10 secs  
 FCS CCT BKRS ..... RESET  
 FCS RESET ..... PUSH

FLAP SW ..... AUTO

FCS RESET & PADL SW ... ACTUATE

**FLAP SW ..... HALF**

**FCS BIT ..... PERFORM**

*\* FCS BIT SW, DDI FCS-MC GO, FCS.*

PBIT/IBIT BLIN ..... CHECK

**CAUTION**

*BLIN CODES 124, 322, 336, 4124, 4263, 4322, 4336, 4522, 4526, 4527, 4773, 4774, and 70261.*

*No maintenance be taken prior to flight, use of the auto throttle system is prohibited.*

*BLIN CODES 51 not reset after airborne, wing-fold function may not be available after landing.*

TRIM ..... CHECK\*

*\* Check pitch, roll, and yaw for proper movement.*

**T/O TRIM ..... DEPRESS\***

*\* Until ADV-TRIM displayed & ↑12 NU.*

FLAP SW ..... AUTO

**CONTROLS ..... CHECK**

- CONTROL STICK ..... CYCLE

-- FULL AFT ..... STAB ↑24 NU

-- FULL FWD ..... STAB ↑3NU

-- R/L AILERON ..... STAB ↑20 NU

- FLAP SWITCH ..... HALF

- RUDDER PEDALS ..... RUD  
 ←/→30°  
 TAKEOFF TRIM ..... SET\*  
     \*STAB Ashore= ↑12.  
     STAB CV See Op Data.

FOUR DOWN TEST  
 - PROBE ..... CYCLE  
 - **SPEEDBRAKE** ..... **CYCLE**  
 - LAUNCH BAR ..... CYCLE\*  
 - HOOK ..... CYCLE  
 - PITOT HEAT SW ..... CYCLE  
     \* CV only.

~~AV COOL SW ..... CHECK~~  
**APU** ..... **VERIFY OFF**  
**HOOK BYPASS** ..... **AS REQ'D**  
 FUEL ..... SET BINGO  
**BARALT** ..... **SET QFE**

TAWS ..... BOXED  
 MISSION DATA ..... ENTER  
~~BIT PAGE ..... CHECK~~  
 WEAPON/SENSORS ..... AS REQ'D  
 - FLIR ..... STBY  
 - RWR ..... PWR ON/BIT  
 STORES PAGE ..... VERIFY

HMD ALIGN  
 HMD ALIGN PAGE ..... SELECT  
 - SUPT/HMD/ALIGN PAGE .. SELECT  
 - HMD CROSS ... OVER HUDCROSS  
 - CAGE/UNCAGE BN ..... PRESS\*  
 - ALIGN ..... UNBOX  
     \* Press and hold until ALIGN OK.

**SARI** ..... **UNCAGE**  
 ATT SW ..... STBY\*  
     \* Verify INS attitude data is replaced  
     by standby attitude data on HUD.  
 ATT SW ..... AUTO

**OBOGS CTRL SW** ..... **ON**  
 OXY FLOW ..... ON, CHECK  
 OBOGS BIT ..... PRESS + RLSE  
 OBOGS ..... DEGD < 15 sec  
 OXY FLOW ..... OFF  
 CANOPY ..... AS DSR'D

TCN, DL, BCN ..... AS REQ'D  
**INS** ..... **CHECK\***  
     \* Minimum align quality 0.5 / 0.6

**TAXI** [REDACTED]  
**ATC** ..... **Taxi Clearance**  
 NWS / HI ..... SELECT  
**EXT LT PANEL** ..... **CHECK**  
 - STROBE ..... BRT  
 - **POSITON** ..... **BRT**  
 - FORMATION ..... BRT\*  
     \* Night Ops and low visuals only.  
**LDG/TAXI LT SW** ..... **ON\***  
     \* CV based OFF.

**PARK BRK** ..... **OFF**  
**NORMAL BRAKES** ..... **CHECK**  
 NWS ..... CHECK

**BEFORE TAKEOFF**

**CANOPY** ..... **CLOSED**  
 OBOGS CTRL SW ..... ON  
 OXY FLOW ..... ON  
 IFF ..... ON  
**INS** ..... **IFA\***

*\*NAV if GPS is not available.*

T/O CHECKLIST ..... COMPLETE\*  
 - CONTROLS ..... WIPE OUT  
 - WINGS ..... SPREAD & LCKD  
 - TRIM ..... SET  
 - FLAPS ..... SET  
 - HOOK ..... UP  
 - HARNESS ..... LCKD & TIGHT  
 - WARN LTS ..... OUT  
 - NWS ..... LO  
**- EJECTION SEAT** ..... **ARM**

*\* In reverse for CV.*

ENGS ..... MIL CHECK\*

*\* Brakes are not able to do this in DCS*

<u>MIL CHECK</u>	
N2 .....	90-102 %
EGT.....	715-880 °C
FF .....	6,000-12,500 PPH
NOZZLE .....	0-48 %
OIL PRES .....	95-180 PSI

ATC ..... T/O Clearance

**BARALT** ..... **CHECK**  
 PITOT SWITCH ..... CHECK

**TAKEOFF - Ashore**

**BRAKE** ..... **HOLD**  
**THROTTLES** ..... **80% RPM**  
**ENGS** ..... **CHECK**  
 CONTROLS ..... WIPE

**AFTER TAKEOFF**

**LDG GEAR** ..... **UP**  
**FLAP SW** ..... **AUTO**  
 ENG ANTI ICE SW ..... AS REQ'D  
 RADALT LOW ALT ..... SET

10,000 FT CHECK

COCKPIT ALT ..... CHECK  
 FUEL XFER ..... CHECK

**CRUISE**

*Fuel ..... Check Joker & Bingo*  
*Eng ..... Check IFEI*  
*Elec ..... Check*  
*Location ..... Rng Nearest & Base*  
*Hyd ..... Check*  
*Oxy ..... Check*  
*Cabin Press & Temp ..... Monitor*

**DESCENT**

ATC ..... **INFORM**  
 ATIS ..... **CHECK**  
 CG/FUEL BALANCE ..... **CHECK**  
 ENG ANTI ICE SW ..... AS REQ'D  
 PITOT ANTI ICE SW ..... CHECK  
 DEFOG ..... HIGH  
 WINDSHIELD SW ..... AS REQ'D  
**BARALT** ..... **SET/CHECK\***  
 RADALT ..... CHECK  
 HUD ..... SET



- NAV MSTR MODE ..... SET\*  
*\*compare with stby flt insts & stby compass.*

NAVAIDS ..... CROSSCHECK  
 ICLS ..... ON & CHANNEL  
 IFF ..... AS REQ'D  
 MSTR ARM SW ..... AS REQ'D  
 CMDS/ECM ..... AS REQ'D  
 HOOK BYPASS SW ..... AS REQ'D  
**EXT LT PANEL ..... SET**

**BEFORE LANDING - ASHORE**

**ATC ..... LANDING CLEARANCE**  
 MSTR ARM SW ..... SAFE  
 ECM ..... STBY

LANDING CHECKLIST ..... CHECK  
 - **LDG GEAR ..... DN**  
 - **FLAP SW ..... FULL**  
 - **HOOK ..... AS REQ'D**  
 - **ANTI SKID ..... ON**  
 - HARNESS ..... LOCKED & TIGHT  
 - DISPENSER ..... CHECK OFF

**LDG/TAXI LIGHT SW ..... ON**

**AFTER LANDING**

SPEEDBRAKE ..... CLOSED  
**FLAPS ..... AUTO**  
 EXT LT PANEL ..... SET  
**LDG/TAXI LT SW ..... OFF**  
**SEAT ..... SAFE**  
**T/O TRIM ..... PUSH**  
 OXY FLOW ..... OFF  
 CANOPY ..... FULL UP OR FULL DN

IFF ..... OFF

**BEFORE ENGINE SHUTDOWN**

**PARK BRK ..... SET**  
**INS ..... OFF\***  
*\* 10 Sec before ENG shutdown.*

**SARI ..... CAGE/LOCK**  
 FLIR ..... OFF  
**RADAR ..... OFF**  
 RWR ..... PWR OFF  
**AVIONICS ..... OFF**  
**COMMS ..... OFF**  
**EXT AND INT LTS ..... OFF**  
 CRYPTO SW ..... AS REQ'D  
**CANOPY ..... OPEN**

**ENGINE SHUTDOWN**

BRAKE GAUGE ..... 3,000 PSI  
**NWS ..... DISENGAGE**  
**FLAP SW ..... FULL**

*NOTE*  
*Before engine shutdown, operate at Flight Idle or Ground Idle for 5 minutes.*

**L THROTTLE ..... OFF**

L HYD PRESS ..... < 1,500  
 STICK ..... Waggle Fore/Aft ±1"  
 L HYD PRESS ..... < 800  
 FCS PAGE ..... CHECK BLIN / Xs\*  
*\* Code 63 or 67 / Xs in Rudder, Aileron or LEF = Fault.*

**DDIs/MPCD/HUD ..... OFF**  
**R THROTTLE ..... OFF**  
**BATT SW ..... OFF\***

*\* When amber Flaps Lt illuminates.*

**OPERATING PROCEDURES**

**TAKEOFF - CV**

**LAUNCH BAR ..... EXTEND**  
**Hook Up ..... Directions / U**  
**BRAKES ..... RELEASE**  
**LAUNCH BAR ..... RETRACT**  
**THROTTLE ..... MIL/MAX\***  
**FLIGHT CONTROLS ..... CYCLE**  
**WARN / CAUT LT OF..... CHECK**  
**ENG INSTS ..... CHECK**  
**Hand Signal ..... Salute\*\***

*\* If > 45,000 lb use MAX.*

*\*\* Super Carrier*

**EMBARK / DISEMBARK**

**HOOK ..... DOWN / UP**  
**HEATS ..... AS REQ'D**  
**- PITOT HEAT ..... ON**  
**- ENGINE ANTI-ICE ..... ON**  
**- DEFOG ..... HIGH**  
**- WINDSCREEN ..... AS REQ'D**  
**ALTIMETER ..... QFF / QFE**  
**ANTI-SKID ..... OFF / ON**  
**INSTRUMENTS ..... AS REQ'D**  
**- TACAN ..... ON + SET + BOX**  
**ICLS ..... ON + CHANNEL + BOX**  
**LTS ..... AS REQ'D**  
**- TAXI LT ..... OFF / ON**  
**- EXTNL ..... AS REQ'D**  
**LANDING WEIGHT ..... CHECK**

**RADALT ..... SET 450' / 200'**  
**RADIO ..... CHANNEL**

**BEFORE LANDING - CV**

**CONTACT ATC ..... CLEARANCE**

**MSTR ARM SW ..... SAFE**  
**DISPENSER ..... OFF**  
**ECM ..... STBY**

**LANDING CHECKLIST ..... CHECK**  
**- LDG GEAR ..... DN**  
**- FLAP SW ..... FULL**  
**- HOOK ..... DOWN**  
**- ANTI SKID ..... OFF**  
**- HARNESS ..... LOCKED & TIGHT**  
**- DISPENSER ..... CHECK OFF**  
**LDG/TAXI LIGHT SW ... CHECK OFF**

**AERIAL REFUELLING**

COMM 1 or 2 ..... SET TNKR #  
 TACAN ..... CHANNEL +  
 A/A?  
 RDDI ..... SUPT / FUEL  
 CONTACT TNKR ..... REQ FUEL  
 RADAR ..... STBY  
 MSTR ARM ..... SAFE  
 - DISPENSER ..... OFF  
 - ECM ..... STBY  
 - LTD/R ..... SAFE  
 EXT TANK SWS ..... AS REQ'D  
 INTR WING SW ..... NORM  
 PROBE SW ..... EXTEND

**NOTE**

*If engine feed tank fuel level is critical,  
external wing and centerline transfer  
should be in STOP or O'RIDE to ensure  
the fastest transfer of fuel to the engine  
feed tanks.*

**PRECONTACT\***

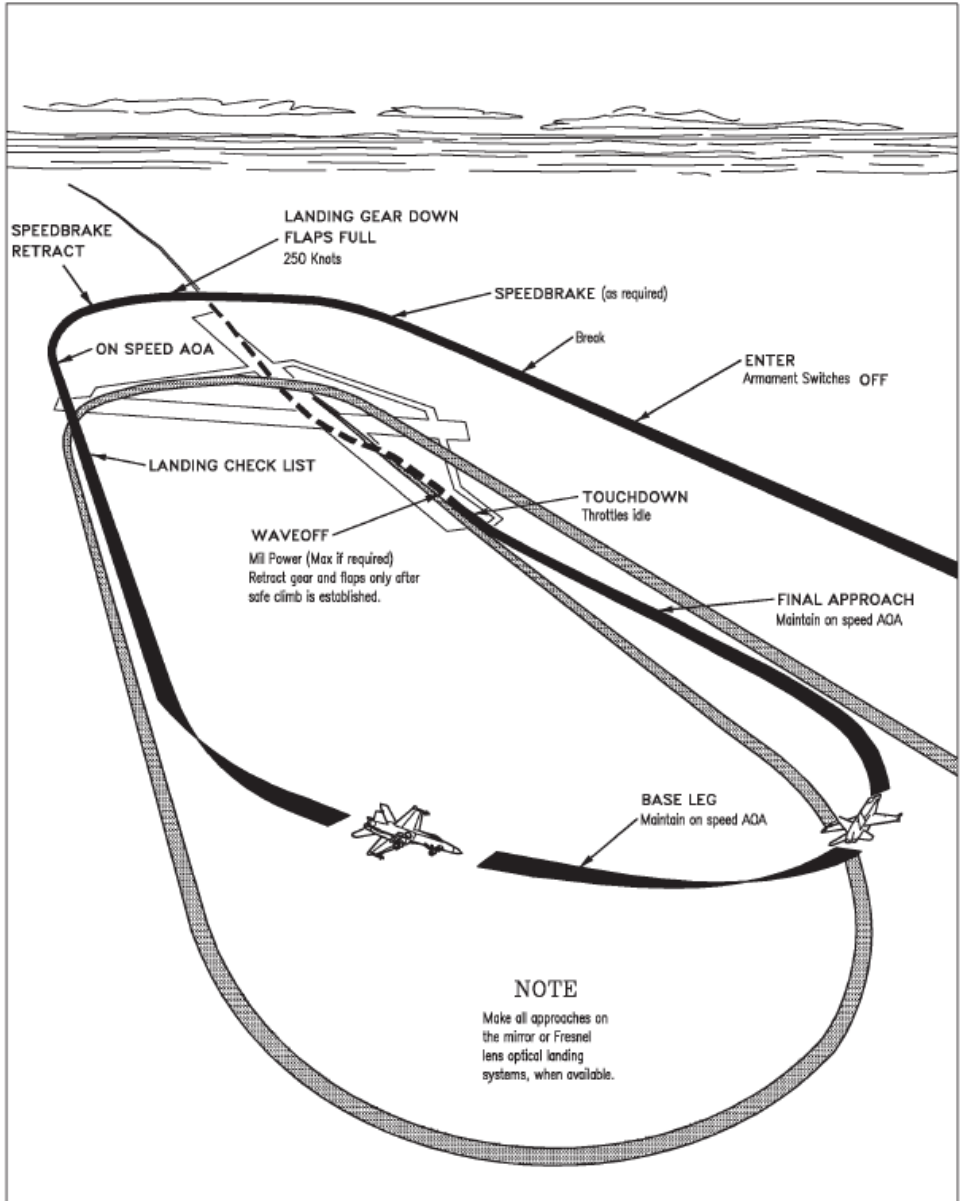
A/P ..... ON\*\*  
 EXT LT ..... AS REQD\*\*\*  
 \* 0.0 nm on tanker's Port Wing  
 \*\* Reduces Control Authority  
 \*\*\* Night ... Stdy Brt

**CONTACT**

FUEL FLOW ..... CHECK

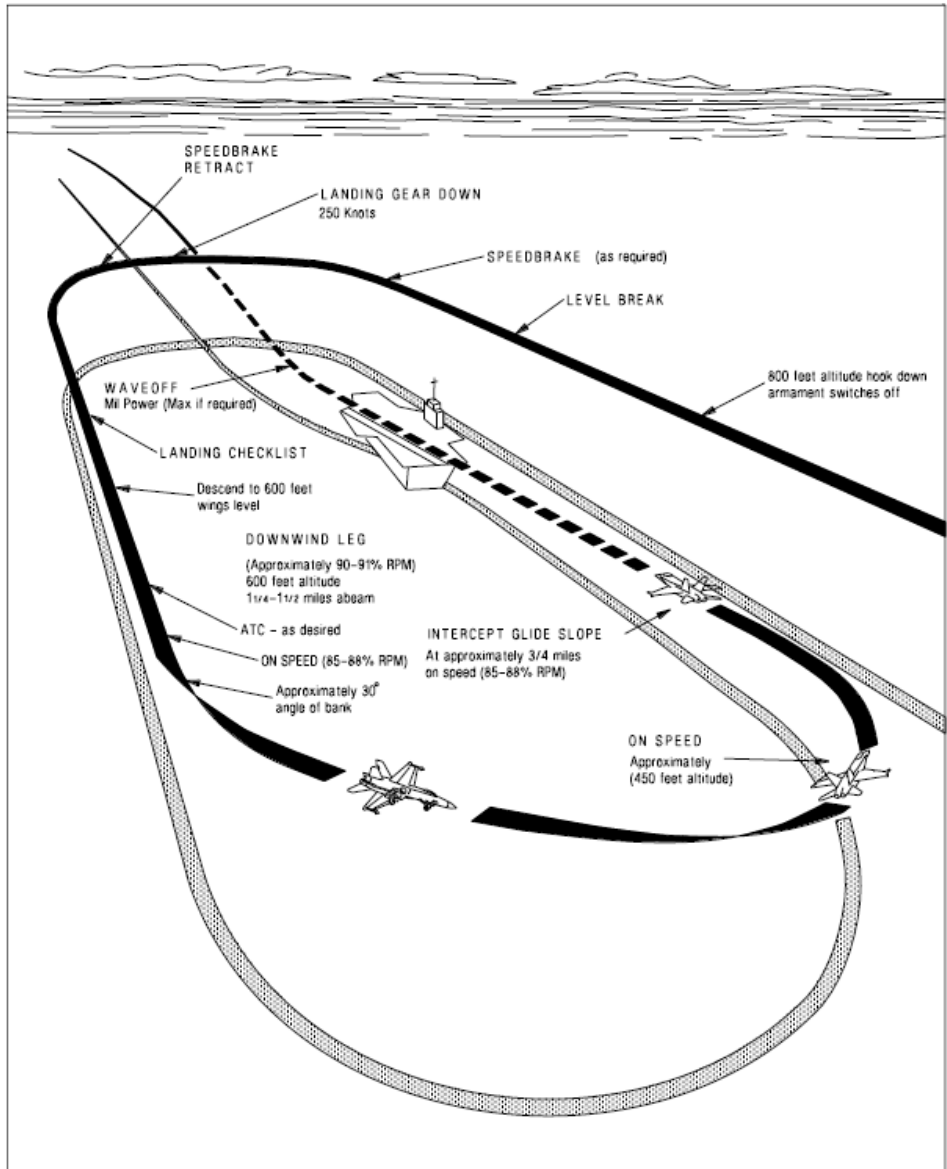
**POST REFUEL**

FUEL QTY ..... CHECK  
 PROBE SW ..... RETRACT  
 PROBE UNLK CAUT ..... OFF  
 EXT LT ..... AS REQD



18AC-NFM-00-(44-1)31-CAT1

Figure 7-2. Field Landing Pattern Typical



ADA920-46-1-046

Figure 8-2. Carrier Landing Pattern