

## START MALFUNCTIONS / ACTIONS

**FADEC** auto start aborts for ACAWS: (will be disabled if START SWITCH is held in START)

1. ENG FLAMEOUT (C)
2. ENG NO LIGHTOFF (A)
3. ENG STAGNATED START (A) (*on the ground*)

Go to **STOP** when: (-1, pg. 2A-24)

1. No NG is present 10 seconds after placing the engine start switch to START.
2. No indication of engine oil pressure within 15 seconds of NG rotation (ENG ... NO OIL PRESS)
3. No indication of propeller gearbox oil pressure within 15 seconds of NP rotation (GBOX ... NO OIL PRESS)
4. Torching (visible fire in the tailpipe for more than a few seconds), sparks in the exhaust, or excessive smoke.

Pull the **FIRE handle** for the following:

1. ENG ... FIRE (-1, pg. 3-3)
2. ENG ... MGT HI (-1, pg. 3-3)
3. START VLV ... OPEN (-1, pg. 3-3)
4. MGT rapidly approaches or exceeds 807° C (HOT START ....) (stop as gage passes through 6 o'clock position to prevent overtemp) (-1, pg. 2A-24)
5. Visible fluid leak (-1, pg. 3-4)
6. Visible smoke or flames (not in the tailpipe) (-1, pg. 3-4)

### START

(MGT MUST BE BELOW 175° C & MINIMUM OF 22 PSI)

BOX

CLOCK

DROP

NG (within 10 sec)

Engine Oil Pressure (within 15 sec of NG)

FF at Approx 40% NG

NP

Propeller Gearbox Oil Pressure (within 15 sec of NP)

OPS Limits: SEE FIG 1-4, pg. 1-37