

[www.aircraftdrawingsdownload.com](http://www.aircraftdrawingsdownload.com)

U.S. NAVY A-7E



The A-7E (Corsair II) light attack aircraft is designed to give the fleet a versatile attack airplane capable of furnishing close support to ground forces. An outgrowth of the famous F-8 Crusader supersonic fighter, the A-7E is powered by the Allison TF41-A2 engine. The A-7E carries a wide variety of bombs, missiles and rockets on its six wing pylons and two fuselage pylons.

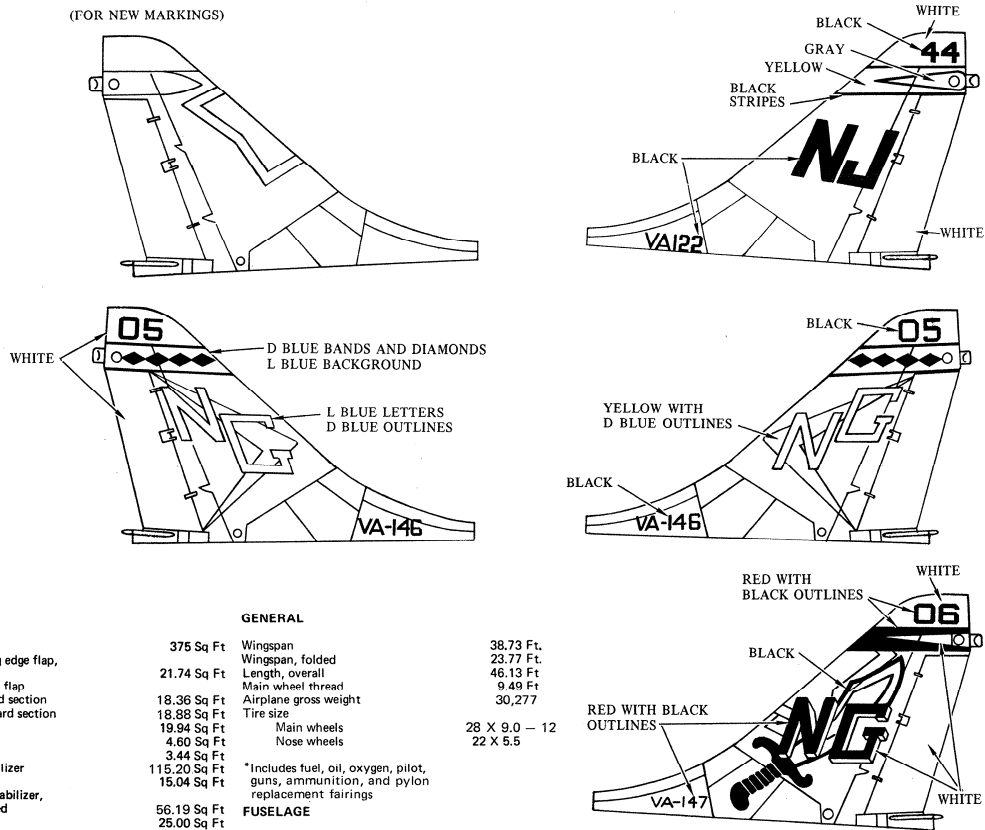
COLOR NOTES

Light Gull Gray (Flat) – Top of Fuselage, Top of Wing and Fin.  
 Insignia White (Glossy) – Bottom of Fuselage, Bottom of Wing, Pylons, Stores, and All Control Surfaces  
 Glossy Black – All Lettering  
 Flat White – Nose Cone and Windshield Frame

DIMENSIONS

Wing Span .....	38.7 Ft (464.7 In.)
Length .....	46.1 Ft (553.5 In.)
Height .....	16.0 Ft (192.7 In.)

(FOR NEW MARKINGS)



AREAS

Wing	375 Sq Ft
Wing, trailing edge flap, each	21.74 Sq Ft
Leading edge flap	
Inboard section	18.36 Sq Ft
Outboard section	13.38 Sq Ft
Ailerons	19.94 Sq Ft
Spoiler	4.60 Sq Ft
Deflector	3.44 Sq Ft
Vertical stabilizer	115.20 Sq Ft
Rudder	15.04 Sq Ft
Horizontal stabilizer, Exposed	56.19 Sq Ft
Speed brake	25.00 Sq Ft

GENERAL

Wingspan	38.73 Ft.
Wingspan, folded	23.77 Ft.
Length, overall	46.13 Ft
Main wheel thread	9.49 Ft
Airplane gross weight	30,277
Tire size	28 X 9.0 - 12
Main wheels	22 X 5.5
Nose wheels	
*Includes fuel, oil, oxygen, pilot, guns, ammunition, and pylon replacement fairings	

FUSELAGE

Height, basic outside	7.20 Ft
Width, basic outside	4.88 Ft
Length	44.18 Ft

**TAIL (HORIZONTAL)**

Span	18.14 Ft
Chord (MGC) at 3.40 Ft from Centerline	6.12 Ft
Airfoil section	
Root	NACA 65A006
Tip	NACA 65A004
Maximum deflection	6.75°
Leading edge up	26.5°
Leading edge down	45°
Sweepback of 0.25 chord line	5° 25'
<b>SPEED BRAKE</b>	
Maximum deflection	60°

TAIL (VERTICAL)

Span	12.86 Ft
Chord (MGC)	10.20 Ft
Airfoil section	
Root	NACA 65A005.2 (Mod)
Tip	NACA 65A004 (Mod)
Sweepback of 0.25 chord line	44.47°

HIGH LIFT AND DRAG INCREASING DEVICES

Wing trailing edge flap	
Type	Single, slotted
Span	8.64 Ft
Chord, percent of wing chord	22.55
Maximum deflection	40°
<b>AILERONS</b>	
Type	Plain, sealed
Span	5.94 Ft
Chord, percent wing chord/Ft	
Inboard end	25/2.14
Outboard end	25/1.26
Maximum deflection	±25

WING

Type	High
Airfoil section at root	NACA 65A007
Airfoil section at tip	NACA 65A007
Chord at root	15.49 Ft
Chord at tip	3.87 Ft
Incidence	-1°
Dihedral	-5°
Aspect ratio 0.25	4.0
Sweepback of 0.25 chord line	35°

LEADING EDGE FLAP

Span	
Inboard	9.25 Ft
Outboard	7.70 Ft
Chord, percent of wing chord	
Inboard	12
Outboard	12
Maximum deflection	42°

SPOILER-DEFLECTOR

Location, Percent of semispan	
Inboard end	28.94
Outboard end	43.46
Spoiler chord, percent of Wing chord	
Inboard end	6.92
Outboard end	7.71
Maximum deflection	60°
Deflector, percent of wing Chord	
Inboard end	5.07
Outboard end	5.88
Maximum deflection	30°

RUDDER

Type	Plain, sealed
Chord, average	2.12 Ft
Maximum deflection	24.0°
Takeoff	
Landing	6.0°

# A-7E Corsair II

**VOUGHT CORPORATION**

Post Office Box 1007 • Dallas, Texas 75222

61 LTV 6079427

