

# REPUBLIC F-105 THUNDERCHIEF

## F-105 SERVICE

*Manufacturer:* The Republic Aviation Corp., Farmingdale, Long Island,  
New York, USA

*Model:* AP-63

*Designation:* F-105

*Name:* Thunderchief

*First official flight:* YF-105A 22 Oct 1955

*Factory production period:* 1955 – 1964

*Primary service period:* 1958 – 1973

*Last official flight:* F-105D 25 Feb 1984

## F-105 VARIANTS

1955	<b>Model AP-63</b>	<b>YF-105A</b>	2	<b>Total: 002</b>
1956	<b>Model AP-63</b>	<b>F-105B</b>	78	<b>Total: 078</b>
1959	<b>Model AP-63</b>	<b>F-105D</b>	610	
1963	<b>Model AP-63</b>	<b>F-105F</b>	143	<b>Total: 753</b>
				<b><u>Total: 833</u></b>

## F-105 PRODUCTION

### **YF-105A**

*Prototype single-engined fighter-bomber.*

*produced 1955 – 1956*

Republic Farmingdale, New York (RE)

54-098, 54-099 - 2 **Total: 002**

*F-105A – Production version, 97 cancelled.*

### **F-105B**

*As YF-105B, various engine upgrades.*

*3 (54-105, 54-108, 54-112), delivered*

*as **JF-105B** with extended nose for*

*camera tests. Some later upgraded*

*to **F-105D** standard.*

*produced 1956 – 1959*

Republic Farmingdale, New York (RE)

54-100 / 54-112 -

57-5776 / 57-5840 - 78 **Total: 078**

*F-105C – 1956, 2-seater trainer version of the F-105B, 5 cancelled.*

## **F-105D**

*As F-105B, engine / armament upgrade,  
minor changes.*

*produced 1959 – 1963*

Republic Farmingdale, New York (RE)

58-1146 / 58-1173            D1 / D28

59-1717 / 59-1774            D29 / D86

59-1817 / 59-1826            D87 / D96

60-0409 / 60-0535            D97 / D223

60-5374 / 60-5385            D224 / D235

61-0041 / 61-0220            D236 / D415

62-4217 / 62-4411            D416 / D610

610    **Total: 610**

*110 additional airframes cancelled.*

*RF-105D – Proposed reconn. version, cancelled.*

*F-105E – 1959, 2-seater operational trainer version  
of the F-105D, 16 cancelled.*

## **F-105F**

*As F-105D, tandem 2-seater  
trainer, taller tail.*

*produced 1963 – 1964*

Republic Farmingdale, New York (RE)

62-4412 / 62-4447            F1 / F36

63-8260 / 63-8366            F37 / F143

143    **Total: 143**

**Total: 833**

## **F-105 CONVERSIONS & TRANSFERS**

### **USAF**

**JF-105B**        5        F-105B, 1958-1962, temporary conversions for test duties. Unrelated to the 3 factory made photo reconn. JF-105B.

**(GF-105B)**    5        JF-104B, 1962, ground instructional conversions, 2 were the factory delivered JF-105B. Designated as UF-105B before 1962.

**F-105G**        86       F-105F, 1966-1983, "Wild Weasel" radar suppression conversions. Original designation was EF-105F.