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SCANNING THIS ITEM AT A HIGHER RESOLUTION WILL NOT IMPROVE ITS LEGIBILITY.

SECRET

F-40 AIRCRAFT

DIFFERENCES IN VARIOUS MODELS NOTED DURING INSPECTION

COMPONENT	F40-21	F40-210	F40-215	F40-211
1 Wing Bomb Hooks	Not fitted	Fitted	Fitted	Fitted
2 Tyres	Plain Tread	Pattern Tread	Pattern Tread	Pattern Tread
3 Gun Sight	N 2 A	N3A incorporating Ring and Bead	N3A incorporating Ring and Bead	N3A incorporating Ring and Bead.
4 Gun Cocking	Hydraulic	Hand operated by cable on ground before "take off"	Hand operated by cable on ground before "take off"	Hand operated by cable on ground before "take off"
5 Emergency Hydraulic Pump	Fitted	Fitted	Not Fitted	Not Fitted
6 Cabin Heating Pipe	Terminates at Rudder Pedal	Terminates at Rudder Pedal	Flexible Pipe reaching Fuselage Tank	Flexible Pipe reaching Fuselage Tank.
7 Battery	In Stowage Compartment	In Stowage Compartment	Under rear port side Engine Cowl	Under rear Port side Engine Cowl
8 Electric Panel	" " "	" " "	" " " "	" " "
9 Fuel Selector Valve	Had to be modified Kittyhawk Order No. 2	Modified	Modified	Modified
10 Elevator Tab Control Wheel	Dural Modified Kittyhawk Order No. 5	Steel Modified	Steel Modified	Steel Modified
11 Tailwheel Cable and Spring	Had to be modified Kittyhawk Order No. 6	Modified	Modified	Modified
12 Stowage Door Latch	Modified to D.T.S. S.I. 29/4	Modified	Modified	Modified
13 Engine	V1710-39	V1710-41	V1710-41	V1710-41
14 Propeller		C532D-F66	C532D-F66	C532D-F64
15 Camera Guns		Not supplied	Not supplied	Supplied
16 Gun Solenoids	G4	G9	G9	G9
17 Belly Tank (standard)	52 U.S. Gals.	75 U.S. Gals.	75 U.S. Gals.	75 U.S. Gals.
18 Sway Braces	Fixed for above tank	Adjustable to take 500	Adjustable to take	Adjustable to take

1 Elevator Tab Control Wheel	Dural Modified Kittyhawk Order No. 5	Steel Modified	Steel Modified	Steel Modified
2 Tailwheel Cable and Spring	Had to be modified Kittyhawk Order No. 6	Modified	Modified	Modified
3 Storage Door Latch	Modified to D.T.B. S.L. 29/a	Modified	Modified	Modified
4 Engine	V1710-39	V1710-39	V1710-39	V1710-39
5 Propeller		C532D-966	C532D-966	C532D-966
6 Camera Guns		Not supplied	Not supplied	supplied
7 Gun Solenoids	04	09	09	09
8 Belly Tank (standard)	52 U.S. Gals.	75 U.S. Gals.	75 U.S. Gals.	75 U.S. Gals.
9 Seat Braces	Fixed for above tank, have to be modified for other tanks.	Adjustable to take 500, 300 or 100 lb. bomb of different size tanks.	Adjustable to take 500, 300 or 100 lb. bomb or different size tank.	Adjustable to take 500, 300 or 100 lb. bomb or different size tank.
10 Overall Span	37' 3.5"	37' 3.5"	37' 3.5"	37' 3.5"
11 Overall Length	31' 8.75"	33' 4.5"	33' 4.5"	33' 4.5"
12 Fin Area	7 sq. ft.	9.64 sq. ft.	9.64 sq. ft.	9.64 sq. ft.
13 Weight (Tare)	6220	6120 (approx.)	6120 (approx.)	6120 (approx.)
14 Fluorescent Light	In Cockpit	Not fitted	Not fitted	Not fitted
15 Exhaust Flame Dampers (stub type)	Not fitted	Fitted	Fitted	Fitted
16 Safety Harness	Sutton harness	New U.S.A. type similar to R.A.A.F. type (T.O.1) fitted.	New type as for P40-K10 fitted	New type as for P40-K10 fitted.
17 Throttle Control Hand Friction adjustment	Not fitted	Fitted	Fitted	Fitted
18 Self sealing fuel tanks	Hewitt type 112	Goodyear F.L.T. 10	Goodyear F.L.T. 10	Goodyear F.L.T. 10
19 Engine Starter	Type P.2 fitted	Type G.6 fitted	Type G.6 fitted	Type G.6 fitted
20 Automatic Boost control	Not fitted	Fitted	Fitted	Fitted



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SPAREMENT	P40-K1	P40-K10	P40-K15	P40-K1
Carburettor hot air	Drawn from rear of radiators	Drawn from duct round base of exhaust stacks	As for P40-K10	As for P40-K10
31 Hot air controls	Butterfly valve above carburettor air screen		Butterfly valves in hot air ducts	
32 Radiator and oil cooler shutter	Cowl shutters not fully closing.	Cowl shutter fully closing. Controllable louvres behind coolant radiator. Control adjacent to main shutter control. Air purifier in line to vacuum pump.	As for P40-K10	As for P40-K10
33 Starter relay		On starboard engine mount	On starboard engine mount	On starboard engine mount
34 Recognition lights	Not fitted	Red, green and amber under rear fuselage. White on top of fuselage. Control switch box on starboard side of cockpit.	As for P40-K10	As for P40-K10
35 Gun Heating	One pipe (hot air) to all guns.	Gun compartments tagged with felt. Separate hot air pipes to each gun.	Same as P40-K10	Same as P40-K10.
36 Windscreen Defroster	Hot air pipe to space between armour glass and plate glass	Branch from gun heater pipe to interior of armour glass only controllable.	As for P40-K10	As for P40-K10
37 Armour plate	As detailed in Service Instruction.	Additional piece of rear of pilot's headrest. Otherwise as for P40-K1	As for P40-K10	As for P40-K10.
38 Main Blower	Not interchangeable with P40-K10 and subsequent	Modified attachment fittings. Not interchangeable with P40-K1 or earlier. Interchangeable with P40-K15 and P40-K11.	As for P40-K10	As for P40-K10.
39 Airscrew Controls	No safety cover over selector switch. Toggle type circuit breaker switch.	Selector switch fitted with safety cover. Push button type circuit breaker switch.	As for P40-K10	As for P40-K10.
40. Oxygen	One F-1 low pressure	Same as P40-K1 with	As for P40-K10	As for P40-K10.

33	starter relay		Control adjacent to main shutter control. Air purifier in line to vacuum pump.	On starboard engine mount	On starboard engine mount	On starboard engine mount
34	Recognition lights	Not fitted	Red, green and amber under rear fuselage. White on top of fuselage. Control switch box on starboard side of cockpit.	As for P40-K10	As for P40-K10	As for P40-K10
35	Gun Heating	One pipe (hot air) to all guns.	Gun compartments tagged with felt. Separate hot air pipes to each gun.	Same as P40-K10	Same as P40-K10.	Same as P40-K10.
36	Windscreen Defroster	Hot air pipe to space between armour glass and plate glass	Branch from gun heater pipe to interior of armour glass only controllable.	As for P40-K10	As for P40-K10	As for P40-K10
37	Armour plate	As detailed in Service Instruction.	Additional piece of rear of pilot's headrest. Otherwise as for P40-K1	As for P40-K10	As for P40-K10.	As for P40-K10.
38	Main Pumps	Not interchangeable with P40-K10 and subsequent	Modified attachment fittings. NOT interchangeable with P40-K1 or earlier. Interchangeable with P40-K15 and P40-K11.	As for P40-K10	As for P40-K10.	As for P40-K10.
39	Airscrew Controls	No safety cover over selector switch. Toggle type circuit breaker switch.	Selector switch fitted with safety cover. Push button type circuit breaker switch.	As for P40-K10	As for P40-K10.	As for P40-K10.
40	Oxygen	One F-1 low pressure oxygen cylinder fitted at rear of fuselage.	Same as P40-K1 with additional cylinder 500 cu. inch capacity above fuselage fuel tank.	As for P40-K10	As for P40-K10.	As for P40-K10.
41	Radio Equipment	Set SCR 283 command set fitted. SCR-274N fitted aerial, wings to tail	Transmitters B.C.457A and B.C.459A. Set SCR-274N. Aerial from mast to tail	Transmitters -B.C.457A and B.C.459A. Set SCR-274N. Aerial from mast to tail.	Transmitters B.C.457A and B.C.458A. Set SCR-274N. Aerial from mast to tail.	Transmitters B.C.457A and B.C.458A. Set SCR-274N. Aerial from mast to tail.
42	Total fuel capacity	123 gallons plus 43 galls. (belly tank) (Not shown in Pilots notes)	193.5 Imp. galls. (includes 62.5 galls in belly tank)	As for P40-K10.	As for P40-K10.	As for P40-K10.
42	Oil Capacity	10.75 Imp. galls.	13.3 Imp. galls	13.3 Imp. galls	13.3 Imp. galls.	13.3 Imp. galls.