

F5050 Binocular Night Vision Goggle



The ITT Night Vision AN/PVS-23 (F5050) binocular utilizes aviation standard optics and high resolution Gen III F9800 image intensifier tubes. This binocular has outstanding performance because each eye receives a unique image giving greater clarity than can be obtained from single-tube devices. With a different image in each eye, it is easier to judge distances and relative motion so that ground-based and sea-based applications such as driving are greatly improved.

The ITT Night Vision AN/PVS-23 (F5050) can be hand held, head mounted or helmet mounted. When hand held the unit is powered by a single AA battery integral to the binocular. When helmet mounted, it is powered by a rear-mounted battery pack that contains two pairs of AA batteries for extended operational endurance.

The binocular includes a powerful infrared (IR) illuminator with wide or narrow beam capability.

- Single AA Battery Usage
- One Year Warranty
- Detaches easily from mount
- Ground or Sea-based applications
- Hand, Head, or Helmet Mountable
- IR Illuminator

System Specifications

Field of View	40°
Magnification	one power (1X)
Resolution	1.3 cy/mr, min
Brightness Gain	6,000 fL/fL, min
Collimation	≤ 1.0° convergence ≤ 0.3° divergence
Diopter Adjustment	-6 to +2 Diopters
Interpupillary Adjustment	52 to 72 mm - Individual knobs
Fore-and-Aft Adjustment	25mm range
Tilt Adjustment	10° min
Eyepiece Lens EFL	27mm
Objective Lens EFL	27mm, f/1.23, T/1.35
Focus Range	41cm to infinity
Power Source	1 AA Battery or 2 AA Battery External Pack
Weight	650 grams
Size	4.5"L x 2.5"W x 2.75"H

Standard Accessories:

Objective Lens Covers, Low Profile Battery Pack, Eye Cups, Demist Shields, Carrying Case, Sacrificial Windows, Shoulder Strap, Lens Paper and Operator's Manual.

Optional Accessories:

Bracket and Strap for Helmet, Head Mount and Mount Assembly.



ITT | Night Vision

Specifications subject to change without notice. Export of the commodities described herein is strictly prohibited without a valid export license issued by the U.S. Department of State Office of Defense Trade Controls prescribed in the International Traffic in Arms Regulation (ITAR), Title 22, Code of Federal Regulations, Parts 120-130.

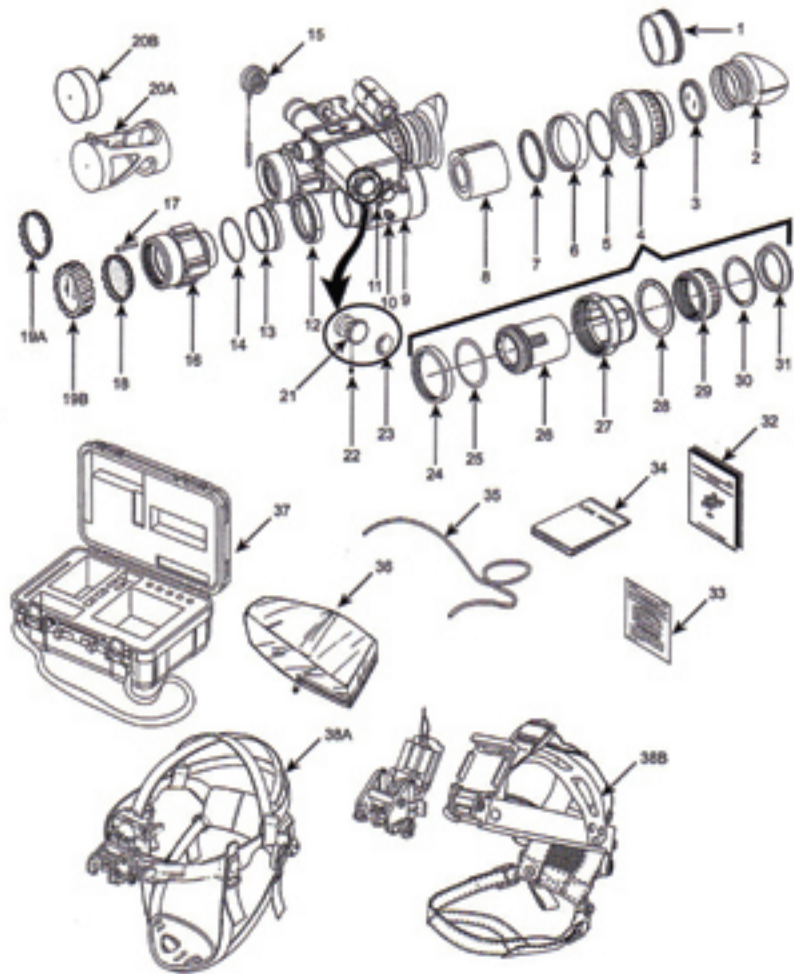
NIGHT VISION DEPOT

illuminating possibilities

www.nvdepot.com

610-395-9743

F5050 - Spare Parts Information



1. M5501/9-F23	5340-01-133-0957	Lens Cap, Eyepiece	20B. 5009493	5340-01-152-5849	Lens Cap, Objective
2. A3144422	5855-01-246-8273	Eyecup	21. A3202851		Knob, Switch
3. A3256353	5855-01-444-1230	Demist Shield Assembly	22. A3144405		Lock Pin, Switch
4. A3256352	5855-01-444-1224	Eyepiece Lens Assembly	23. A3144406		Lock Pin, Switch
5. A53578-028	5331-00-551-8251	O-ring, Eyepiece	24. 5005838	5310-01-261-5494	Decal, Switch Knob
6. 274941	5855-01-261-5494	Locking Ring, Eyepiece	25. A53578-028	5330-00-551-8251	Lock Ring
7. 5002569	5855-01-151-4226	Retainer, Tube	26. 5009546	5855-01-444-3099	Eyepiece O-ring
8.		Image Intensifier	27. 5009547	5855-01-380-9950	Lens Cell Assembly
9. 271052-2		Power Pack/Binocular Subassembly	28. 5009551	6650-01-381-2117	Eyepiece Slotted Sleeve
10. SM-C-806612	3040-00-548-3429	Purge Valve	29. 5009549	5855-01-380-5100	Indicator Plate
11. A53578-002	5330-01-346-6177	O-ring, Purge Valve	30. 5009550	5855-01-380-5097	Eyepiece Focus Ring
12. 5002583	5365-01-149-4102	Locking Ring, Objective	31. A3256354	5855-01-380-5097	Snap Ring
13. 268624	5855-01-464-1926	Adapter, Stop	32. TM-F5050-1	5855-01-466-7891	Adapter, Eyepiece Assembly
14. A53578-021	5330-00-822-3691	O-ring, Objective	32. 271418		Operator's Manual (Non-U.S. Military)
15. 267092-2	5999-01-541-9265	Battery Cap Assembly	33. TM-F5050-3		Operator's Manual
16. 265540		Objective Lens Assembly	34. 266699		Operator's Instruction Card (Non U.S. Military)
17. 266794	5305-01-440-9671	Special Set Screw	35. A3144306	6640-01-496-2324	Lens Paper
18. 5009737	5855-01-379-1410	Light Interference Filter (LIF)	36. A3187392	4020-01-446-8097	Neck Cord
19A. 272247	5855-01-515-2135	Sacrificial Window	37. 271244	5855-01-398-4284	Carrying Case, Unmarked
19B. A3144264	5855-01-246-8271	Sacrificial Window	38A. 268494		Carrying Case
20A. 271258	5855-01-541-8656	Cover, Lens, Objective	38B. 271100		Head Mount Assembly

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