

~~RESTRICTED~~

AN/ASA-3

(AND AN/ASA-1; AN/ASA-1A)

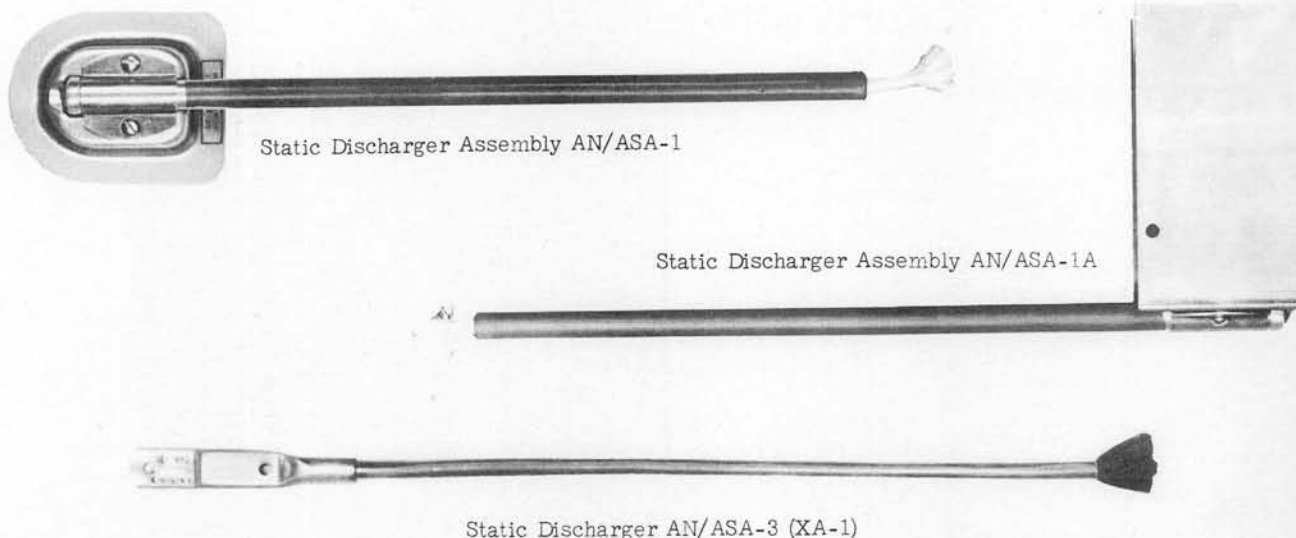
Static Discharger Assembly AN/ASA-1 is a wick type discharger for discharging of accumulated precipitation static on aircraft while in flight. It consists of an aluminum tube containing an ethylene glycol saturated wick and is mounted on the wings tips and tail assembly of medium and heavy bombers and transports. Six to ten Static Discharger Assemblies AN/ASA-1 and/or AN/ASA-1A are required per airplane.

This assembly was procured as an interim measure for the purpose of alleviating extreme static conditions encountered in aircraft until a final solution on this problem could be obtained. Static Discharger Assembly AN/ASA-1A differs from AN/ASA-1 only in the mounting bracket used. This equipment is now substitute standard.

Static Discharger AN/ASA-3 has replaced Static

Discharger AN/ASA-1 as standard equipment. It consists of a cotton wick made conducting by chemical precipitation of silver into the wick fiber. The wick is enclosed in a 10 1/2 inch length of vinylite tubing which is secured in a 3 inch length of aluminum tubing. This equipment is somewhat more effective as a discharger than Static Dischargers AN/ASA-1 and AN/ASA-1A and requires much less maintenance. Ten to twelve Static Dischargers AN/ASA-3 are required for an airplane installation.

No test equipment is required for maintenance. Army Supply Program requirements as of 30 November 1944 were 196,250 AN/ASA-1 assemblies, and 328,860 AN/ASA-3 assemblies for the calendar year 1944, and 129,264 AN/ASA-3 assemblies for 1945.



AN/ASA-1

* TOTAL WEIGHT LESS THAN 1 LB

Component	Nomenclature	Size	Weight
Static Discharger	MX-43/ASA-1	Length 12" x diam. 1/2"	
Mounting Bracket	MT-133/ASA-1	3" x 4" x 1"	

AN/ASA-1A

* TOTAL WEIGHT LESS THAN 1 LB

Component	Nomenclature	Size	Weight
Static Discharger	MX-43/ASA-1	Length 12" x diam. 1/2"	*
Mounting Bracket	MT-134/ASA-1A	4" x 2" x 3"	*

AN/ASA-3

* TOTAL WEIGHT LESS THAN 1 LB

Component	Nomenclature	Size	Weight
Static Discharger	AN/ASA-3	Length 14" x 9/32" diam.	*

*
March 1945