FEDERAL AVIATION AGENCY

E-250
Revision 10
AEROJET
15NS-250

November 23, 1964

TYPE CERTIFICATE DATA SHEET NO. 250

Engines of models described herein and conforming with this data sheet (which is a part of Type Certificate No. 250) and the approved data on file with the Federal Aviation Agency are rated as airworthy for use in certificated aircraft in accordance with pertinent aircraft specifications and applicable portions of the Civil Air Regulations, provided they are installed, operated, and maintained as prescribed by the manufacturer's approved manuals and other approved instructions.

Manufacturer: Aerojet-General Corporation
Sacramento, California

Model	15NS-250		
Type	Cylindrical case, self-contained, solid propellant, reloadable, electrically fired		
Thrust characteristics (nominal value)			
Temperature of propellant	-65°F. (53.9°C.)	60°F. (15.6°C.)	160°F. (71.1°C.)
Thrust, lb.	195	260	260
Duration, seconds	19.5	15.0	11.0
Nominal rated thrust, lbs. 60°F.	250		
Rated impulse, lb-second at sea level	3,750		
Maximum usable impulse, lb-sec	3,750		
Operating and storage temperature range	-65° to 160°F. (-53.9° to +71.1°C.)		
Operating and storage altitude limit	Sea level to 35,000 ft.		
Propellant	Solid NS smokeless		
Principal dimensions	6.0" diameter case by 26.75" over-all length		
Weight	42 lbs.		
Weight, expended	21 lbs.		
Recommended ignition current	12 or 24 volts, 35 a.		
Ignition interval	0.5 seconds maximum		

Certification basis: CAR 13 effective 6-15-56 and Special Conditions; Type Certificate for Model 12AS-250 issued 7-9-47; deleted 4-24-58; Date of Application for Type Certificate, 1947. Model 15NS-250 approved 4-24-58; Date of Application for Type Certificate 2-19-47.

Production basis: None

NOTE 1. Engines and igniters shall only be rebuilt by the manufacturer.

NOTE 2. All 15NS-250 JATO installations basically shall be in accordance with the engineering criteria in Aerojet-General Corporation Report No. 981. Each new type installation shall be reviewed and concurred in by Aerojet-General and approved by the Federal Aviation Agency.

NOTE 3. Maximum storage period shall be two years from shipping date stenciled on the unit. Temperature storage limits are -65°F. (minimum) and +160°F. (maximum) or 53.9°C. (minimum to 71.1°C.) (maximum).

NOTE 4. 15NS-250 rocket engines may be carried on an aircraft ready for operation for a maximum of 900 hours cumulative flying time or 22 months, whichever occurs first. However, total storage and aircraft installed time shall not exceed 3½ years. Units which exceed these time limits must be removed from aircraft.

NOTE 5. The rocket engines may be fired just prior to removal for pilot familiarization and checkout if desired.

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