HIGH-POWER RMS™
Reloadable Motor System™
L1250DM-PS Rocket Motor Reload Kit
For RMS-75/6400 Motor Hardware
Metalstorm DM™ Composite Propellant

NOTE: This reload kit MUST be used with separately packaged Metalstorm DM™ propellant grains (P/N 03DM75-3) and motor liner tube (03035-5) RMS-75 reload kits do not include an ejection charge. RMS-75 motors must be used in conjunction with a timer, altimeter or radio-actuated recovery system.

Do not open reload kit until ready to use.

WARNING-FLAMMABLE: Read Instructions Before Use. Use RMS reload kits only in accordance with instructions. Sale to persons under 18 years of age prohibited by federal law. For use only by certified users 18 years of age or older. Ignite by electrical means only. Do not smoke when loading RMS motors or use in the vicinity of open flames. CAUTION: Keep out of reach of children. Produces showers of hot sparks. Clear launch area of all combustible material for at least a 150 foot diameter around launcher. Follow NAR & TRA safety codes at all times. Motor hot after firing.

Certified by the Tripoli Rocketry Association • Made in U.S.A. • www.aerotech-rocketry.com
AeroTech Division, RCS Rocket Motor Components, Inc., 2113 W. 800 N. St., Cedar City, UT 84721

L1250DM-PS Typical Time-Thrust Curve

Motor Specifications
Total Impulse: 4,396 N-sec
Propellant Wt.: 2,955 grams
Loaded Wt.: 5,528 grams
Motor Diameter: 75mm
Burn Time: 3.5 seconds
Peak Thrust: 345 pounds
Delay Time: Plugged (smoke only)
Motor Length: 31.52"
Assembly Instructions:

1. Lightly grease o-rings (4, 9, 13 & 14) and case threads (g) until seated.

2. Assemble smoke grain (10) and smoke insulator (13) as shown.  

3. Apply a layer of grease to one end of the smoke grain and then push step 2 smoke assembly into forward closure (12), greased end first.

4. Install forward seal disk o-ring (13) on groove in forward seal disk (8) and insert this assembly into one end of liner (5) until seated.

5. Insert propellant grains (7) into liner (5) with a grain spacer o-ring (14) between each grain, then push entire assembly into case (6) until seated.

6. Install forward o-ring (g) into forward end of case (6) with the forward seal disk (g) from both ends of case.

7. Thread forward closure (12) into the forward end of the case (6) with the forward o-ring (g) until seated.

8. Assemble nozzle (3), aft o-ring (4), and aft closure (2) into open (g) end of case (g) until seated.

NOTE: THE DRAWING SHOWN BELOW MAY BE A GENERIC REPRESENTATION OF THE ACTUAL MOTOR. NOZZLE SIZE, NUMBER AND SIZE OF PROPELLANT GRAINS AND LENGTH OF DELAY GRAIN & SPACER MAY BE DIFFERENT FOR A DETAILED ASSEMBLY DRAWING OF THIS MOTOR PLEASE VISIT WWW.AEROTECH-ROCKETRY.COM

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L1250DM-PS Assembly Drawing and Instructions