Post-Recovery Cleanup (cont’d)
2. Remove the spent components from the casing by pushing on the nozzle end and discard. Using wet wipes or damp paper towels, wipe the inside of the casing and all surfaces with a cleaning agent. Clean the nozzle opening and retaining ring to remove all propellant residue.
3. Apply a light coat of grease to all threads and the inside of the motor case. Reassemble metal parts and store motor in a dry place.

Fire Safety
Tests show that the pyrotechnic components of RMS™ reload kits will not explode in fires and normally will not ignite unless subjected to direct flame and then will burn slowly. Use water to fight any fires in which AeroTech RMS™ reload kit pyrotechnic components may become involved: Direct the water at the AeroTech RMS™ reload kit pyrotechnic components to keep them below their 550 deg. F autoignition temperature. Foam and carbon dioxide fire extinguishers will NOT extinguish burning pyrotechnic components in RMS™ reload kit pyrotechnic components. Keep reload kit pyrotechnic components away from flames, sources of heat and flammable materials.

Disclaimer and Warranty
NOTICE: As we cannot control the storage and use of our products, once sold we cannot assume any responsibility for product storage, transportation or usage. RCS shall not be held responsible for any personal injury or property damage resulting from the handling, storage or use of our product. The buyer assumes all risks and liabilities therefrom and accepts and uses AeroTech/RCS products on these conditions. No warranty either expressed or implied is made regarding AeroTech/RCS products, except for replacement or repair, at RCS’s option, of those products which are proven to be defective in manufacture within one year from the date of original purchase. For repair or replacement under this warranty, please contact RCS. Proof of purchase will be required. Note: Your state may provide additional rights not covered by this warranty.

WARNING: Do not smoke and ensure that there are no open flames or heat sources nearby when setting the time delay. Assemble the AeroTech Universal delay drilling tool with the desired amount of delay time removal (i.e., the - 4 or - 8 seconds removal marked on the tool label) facing the exposed drill bit and modular bulkhead ejection well.

Optional: Place the washer between the drill knob and tool if you want to remove 2 seconds less than the value printed on the tool (i.e., - 2 or - 6 seconds removal).

3. Place the open end of the tool over the motor bulkhead, hold the tool and motor firmly against each other and turn the drill knob several times clockwise until the drill knob sits flush against the drill tool body.

4. Remove the tool and shake out the shavings from the tool and motor bulkhead. Dispose of the shavings by burning with a safe method and in a safe location.

RMS-EZ™ HIGH-POWER Reloadable Motor System™
Rocket Motor Reload Kit With Modular Bulkhead Assembly & Operation Instructions
For RMS-38/120-360 Motor Hardware

DO NOT OPEN RELOAD KIT UNTIL READY TO USE

Note: Motor designation and complete performance specifications (including sample time-thrust curve) are printed on the RMS-EZ packaging tube.

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. Metalstorm™ propellants produce showers of hot sparks. Clear launch area of all combustible material for at least a 75 foot diameter radius around launcher. Follow NAR & TRA safety codes at all times. Motor hot after firing.

Setting the Time Delay

Note: If you want to use the longest (as-supplied) time delay, do not use the delay drilling tool and instead proceed with general motor assembly (inside pages).
General Motor Assembly Instructions (numbers refer to item numbers on drawing):
1. Lightly grease o-rings (4 & 10) and case & closure threads (2, 7 &12)
2. Insert propellant grains (8) into liner (6), then push liner assembly into case (7) until recessed equally from ends of case.
3. Install forward insulator (9) and forward o-ring (10) into one end of case.
4. Trim time delay of modular bulkhead (11) if desired, using AeroTech Universal™ delay drilling tool.
5. Push modular bulkhead (11) into the end of the case (7) with the forward insulator (9) and forward o-ring (10) until seated.
6. Thread retaining ring (12) into the end of the case (7) with the modular bulkhead (11) until seated against the case.
7. Install aft insulator (5), aft o-ring (4), nozzle (3) and aft closure (2) into open end of case (7) until seated.
8. Dispense ejection charge (13) into modular bulkhead (11) and seal end with ejection charge cap (14).

NOTE: THE DRAWING SHOWN BELOW IS A GENERIC REPRESENTATION OF THE ACTUAL MOTOR. NOZZLE SIZE, NUMBER AND SIZE OF PROPELLANT GRAINS AND LENGTH OF DELAY GRAIN MAY BE DIFFERENT.