

	PARTS LIST KIT NO. KC-1 - Citation Quasar							
Quantity	Description	Туре	Number	Details1	Details2	Details3	Details4	Comment
1	PAPER BODY TUBE	BT-20J	30326	2.75" long	0.710" ID	0.736" OD	0.013" wall	Glassine
1	ENGINE HOLDER	EH-2	35025	2.8" long	.100" wide	.025" thick		Reg. & D
1	MYLAR RETAINER RING	HR-20	30168	0.3" long	0.74" ID	0.76" OD	0.01" wall	BT-20
1	SPLIT ADAPTER RING	AR-2050S	80425	1/4" long	.737" ID	.949" OD	0.106" wall	Green
1	PAPER BODY TUBE	BT-50H	30360	7.75" long	0.950" ID	0.976" OD	0.013" wall	Glassine
1	Decal Wrap-On	KD-M1	37201	9" long	4" wide	Chrome, Wht,Blk	Self Stick	Scan
1	LAUNCH LUG	LL-2A	38175	5/32" ID	1/8" rod	1.25" long		Mylar
1	PLASTIC FIN UNIT	PFM-1	32408	3 5/8" long	BT-50	3 fins	Chrome	Clipped fin tips
1	CENTERING RING	AR-2050	30164	1" long	.737" ID	.949" OD	0.106" wall	Green
1	Shock Cord Mount	SCM-50	84444	1.5" wide	3" long	67 lb. Cardstock	BT-50 & larger	Scan
1	Shock Cord	SC-1	85730	18" long	1/8" wide			Rubber
1	Screw Eye (Extra Small)	SE-3A	38253	1/2" long				
1	PLASTIC NOSE CONE	PNC-M1	71004	2 5/8" long	0.974" dia.	0.5" shoulder	Chrome	Injection Molded
1	Parachute	PK-12A	85564	12" hexagon	1.25 mil thick	LDPE plastic	Org/Wht	Damon Logo
1	Shroud Line	SLT-72	38237	72"	.020" diameter	Twisted cotton	3 x 24" shrouds	
6	Tape Disc	TD-3F	38406	1/2" dia.	Paper	Self-Stick	WO/Center Hole	Set of 6

The Quasar was issued in multiple versions. Of these, there is a Citation box version and a hang bag version. The contents differ and may even be different for the same version. The main differences are noted here. Both versions are based off the Alpha III. The major differences are the nose cone, fin unit, and main body tube.

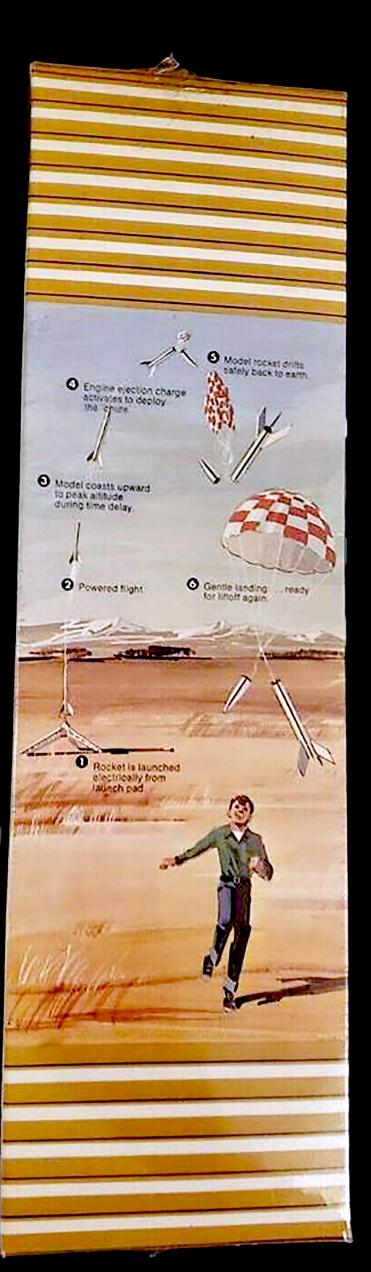
The main body tube for the Alpha III is a BT-50EE which is 5.5" long. The main tube for the Quasar it a BT-50H which is 7.75" long. All the images I have found show the finish as glassine.

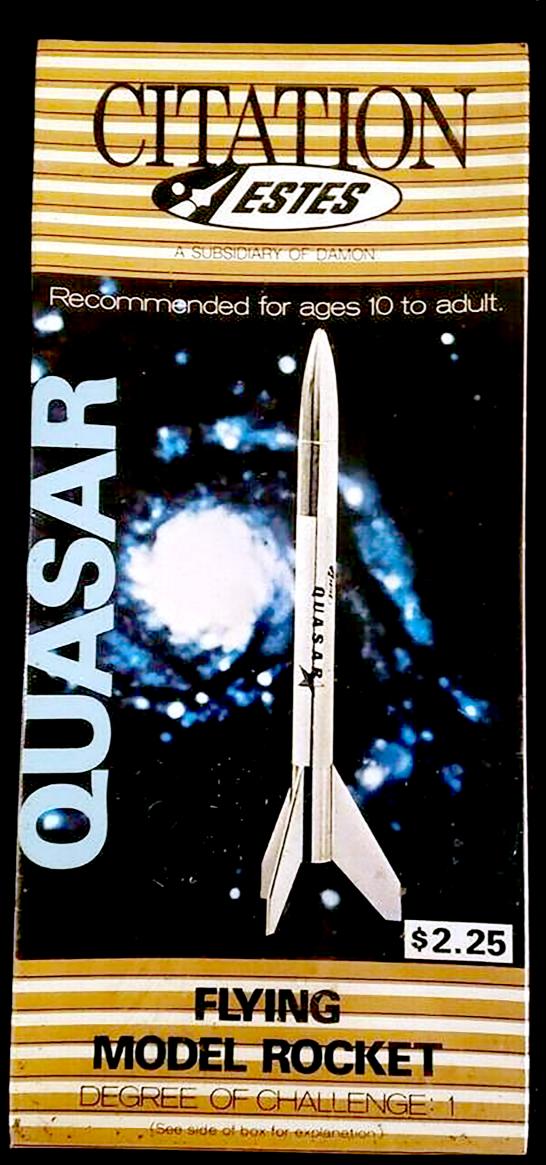
The nose cone on all versions came from the same mold. Most notably, the box version was chrome plated. The underlying plastic color was either white or black. The bag version was white but reports have confirmed that there are some bag versions that were chrome plated as well. I have never actually seen one though. The bag version face card shows white.

Just like the nose cone, all versions of the fin unit came from the same mold. The box version was always chrome plated and the fin tips were clipped. The underlying plastic color was either white or black. The bag version was white and just like the nose cone, some have reported a chrome plated unit in the bag version. My assumption is the bag version received part elimination of the box parts and subsequent production produced only white parts without the chrome plating to save money. All the catalog and box/face card images show clipped fins. The instructions for the bag version and images of the actual bagged parts show them unclipped. I'm assuming the Alpha III plans were leveraged for the bag version and the clipped fins were overlooked.

1974 parts catalog shows the chrome fin unit as 3 5/8" overall length. The standard Alpha III fin unit is 3 15/16". Simple math shows that 5/16" needs to be clipped off each fin to make the Alpha III fin unit into the Quasar fin unit.

The body tube wrap for the box version shows the "Q" facing forward towards the nose. This is consistent with the 1974 parts catalog, images on the instructions, and actual images of the wrap. The bag version face card shows the "Q" facing down towards the fins but the chrome forward wrap is still up front so it's not just that it was applied backwards. The bag version plans clearly show the "Q" pointing forward. The face card image must have been of a non-production prototype.







WHY ROCKETRY?

From the first countdown to our most recent landing on the moon, young people everywhere have been stirred by man's incredible journeys into space. Along with the excitement there has been a challenge – to learn more about rockets, and to share, somehow, in those great adventures in space.

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ROCKETEER'S CODE OF SAFETY

- CONSTRUCTION My model rockets will be made of lightweight materials such as paper, wood, plastic and rubber, without any metal as structural parts.
- ENGINES I will use only pre-loaded, factory-made model rocket engines in the manner recommended by the manufacturer. I will not change in any way nor attempt to reload these engines.
- RECOVERY I will always use a recovery system in my model rockets that will return them safely to the ground so that they may be flown again.
- WEIGHT LIMITS My model rocket will weigh no more than 453 grams (16 ozs.) at liftoff, and the engines will contain no more than 113 grams (4 ozs.) of propellant.
- STABILITY I will check the stability of my model rockets before their first flight, except when launching models of already proven stability.
- 6 LAUNCHING SYSTEM The system I use to launch my model rockets must be remotely controlled and electrically operated and will contain a switch that will return to "off" when released. I will remain at least 10 feet away from any rocket that is being launched.
- LAUNCH SAFETY I will not let anyone approach a model rocket on a launcher until I have made sure that either the safety interlock key has been removed or the battery has been disconnected from my launcher.
- FLYING CONDITIONS—I will not launch my model rocket in high winds, near buildings, power lines, tall trees, low-flying aircraft, or under any conditions which might be dangerous to people or property.
- LAUNCH AREA My model rockets will always be launched from a cleared area, free of any easy to burn materials, and I will only use non-flammable recovery wadding in my rockets.
- 10. JET DEFLECTOR My fauncher will have a jet deflector device to prevent the engine exhaust from hitting the ground directly.
- 11. LAUNCH ROD To prevent accidental eye injury, I will always place the launcher so the end of the rod is above eye level or cap the end of the rod with my hand when approaching it. I will never place my head or body over the launching rod. When my launcher is not in use, I will always store it so that the launch rod is NOT in an upright position.
- 12 POWER LINES—I will never attempt to recover my rocket from a power line or other dangerous places.
- 13. LAUNCH TARGETS & ANGLE —I will not launch rockets so their flight path will carry them against targets on the ground and will never use an explosive warhead nor a payload that is intended to be flammable. My launching device will always be pointed within 30 degrees of vertical.
- 14. PRE-LAUNCH TEST—When conducting research activities with unproven designs or methods, I will, when possible, determine their reliability through pre-launch tests. I will conduct launchings of unproven designs in complete isolation from persons not participating in the actual launching.

Revised 2/4/70

ROCKETEER'S PLEDGE

I am proud to be a model rocketoer. I feel it is important to do my part in upholding the outstanding safety record that model rocketry has gained. In all my rocketry activities I will act in a mature manner and will always be considerate of other people and property rights. I pledge to follow the Rocketeer's Code of Safety.