



Installation Instructions for KPMI Part No: 70-0300
Triumph 650 / 750
Lightweight Racing Valve Spring Kit

A) 70-0300 Kit Includes

<u>KPMI Part No.</u>	<u>Qty</u>	<u>Application</u>	<u>Description</u>
70-4002	4 - Pcs	Intake / Exhaust	HA 7075-T6 Retainers
70-4003	4 - Prs	Intake / Exhaust	H.T. Steel Keepers
70-0300SO	4 - Prs	Intake / Exhaust	Chrome Silicon Springs
70-4004	4 - Pcs	Intake / Exhaust	H.T. Steel Basewashers

B) Recommended Installed Height - Intake/Exhaust

- 1. Installed Height (Outer Spring) **1.415" - 1.425"***
- 2. Seat Pressure **104 #**
- 3. Open Pressure at .320" lift **184 #**
- 4. Open Pressure at .520" lift **234 #**
- 5. Max Valve Lift **.520"**

*Note: For certain models, it may be necessary to perform several or all of the following modifications to ensure proper installation height: cut valve seats to sink valves, raise the keeper groove on the valve and clearance the rocker boxes.

C) Notes

- 1. The difference between the installed height and the coil bind height is considered "Free-Travel"
 The coil bind height is determined by compressing the spring or springs with the retainer and basewasher in place, a vice can be used for this operation, once springs are compressed measure the distance between the retainer and basewasher where the outer spring contacts them.
- 2. Free-travel should always be gross valve lift +.060" for safe operation.
- 3. Retainer to seal and retainer to guide clearance should also be gross valve lift +.060" for safe operation.
- 4. Failure to check valve train clearances can result in serious damage to an engine

Packaged By: _____

Date: _____