



**CUSTOMER INFORMATION SHEET – NO. 10**

**CRUISEMASTER™ RM LEAF SUSPENSION SYSTEMS**

**1 WHY BEAM AXLE SUSPENSION?**

Beam axles have passed the test of time and are generally a good workhorse. In conjunction with the beam axle you need a good well designed and engineered suspension system to support and protect the load being carried as well as to keep the tracking of the trailer behind the tow vehicle in line under all conditions.

The Cruisemaster™ RM range of suspension systems from Cruisemaster™ meets these needs and more and is a purpose designed and engineered product to give long life and performance when correctly maintained.

The Cruisemaster™ RM range comes in Single axle and Tandem axle configurations. The Single axle variants utilize either a 850mm Eye to Eye spring or a 710mm Eye to Eye spring depending on the application. Tandem axle systems use the 710mm Eye to Eye springs only. Tandem axle systems have two (2) mounting options that allow for different ride heights depending on the end users requirements. The Cruisemaster™ RM range includes Cruisemaster™ RM Standard, Cruisemaster™ RM Explorer and Cruisemaster™ RM Premium. Differences between the systems are described below.

The Cruisemaster™ RM structural hanger and shouldered shackle bolt suspension system is manufactured using many robot welded parts for consistency of finished products to design tolerances. Cruisemaster™ RM suspensions use 60mm wide x 8mm thick spring leaves which provide up to 50% more strength then other conventional leaf springs. The Leaf Springs used are manufactured to Vehicle Components own specifications in line with design criteria to SAE standards.



### 3 INITIAL FITMENT

Cruisemaster™ RM suspensions must be fitted in accordance with Cruisemaster™ Engineering Design recommendations. These are usually in the form of installation drawings and will normally be supplied with any kit. Copies of these are available upon request.

#### Cruisemaster™ RM Range

	STANDARD	EXPLORER	PREMIUM
Low maintenance polyurethane bushes	☑	☑	☑
Heavy duty dumb jacks and spring perches	☑	☑	☑
60x8 Softride Springs	☑	☑	☑
Shouldered, machined shackle pins	☑	☑	☑
Shackle pins welded to shackle plates	☑	☑	☑
Heavy duty hangers	☑	☑	☑
Fabricated tandem rocker	☑	-	-
Cast tandem rocker	-	☑	☑
Greasable shackle & rocker pins	-	☑	☑
Flanged polyurethane bushes throughout	-	-	☑
All non welded mounting hardware sa5 plated	-	-	☑

### 4 MAINTENANCE AND OPERATION

Please refer to **Customer Information Sheet No. 12 – General Maintenance**

Cruisemaster™ RM suspensions have been designed to give a trouble free life with minimum maintenance. The use of polyurethane bushes in all moving parts keep wear to a minimum. However, to ensure the safety and reliable operation of your suspension system some routine maintenance must be carried out. The service periods recommended are based on normal road usage. For off-road conditions maintenance intervals will need to be more frequent and daily visual inspections are recommended.

The suspension fitted has been selected according to the vehicle manufacturers recommended Aggregate Trailer Mass (ATM) which can be found on the vehicles compliance plate. It is important that these figures are not exceeded.