

SECTION  
FRONT SUSPENSION

SUB SECTIONS.  
LEAF SPRING, COIL SPRING, TORSION BAR.

| SECTION<br>DRAWING No. | SUB-SECTION | INFORMATION<br>SUPPLIED BY |
|------------------------|-------------|----------------------------|
| 1                      | LEAF SPRING | ED. A.S. HENKE             |
| 2                      | COIL SPRING |                            |
| 3                      | TORSION BAR |                            |
|                        |             |                            |

# ENGINEERING TECHNICAL DRAWING

|             |  |                  |
|-------------|--|------------------|
| Model       | M.G. 2 Seater Series M.G.A. Twin Cam (EK187) | Book No. TD/G.1. |
| Section     | FRONT SUSPENSION                             | Sheet No. 1 of 2 |
| Sub-Section | LEAF SPRING, COIL SPRING                     | Date             |

|                                     |                     |                  |
|-------------------------------------|---------------------|------------------|
| TYPE:                               | Parallel action.    | Independent      |
| TYPE OF SPRINGING:                  | Coil                |                  |
| <u>LEAF SPRING</u>                  |                     |                  |
| LENGTH:                             |                     | ins.             |
| WIDTH:                              |                     | ins.             |
| GAUGE:                              |                     |                  |
| NO. OF LEAVES:                      |                     |                  |
| INTERLEAVING:                       |                     |                  |
| DISTANCE BETWEEN EYES:              | FREE:               | ins.             |
|                                     | LADEN, at load of   | ins.             |
| DIAMETER OF SPRING EYES OR BUSHING: |                     |                  |
|                                     | FREE:               | ins.             |
| CAMBER:                             | LADEN, at load of   | ins.             |
| AVERAGE LOAD RATE:                  |                     | lb/ins.          |
| WORKING LOAD:                       | lb. at              | ins.             |
| PIVOT RUBBER HARDNESS:              |                     |                  |
| SPRING REACTION POINTS:             |                     |                  |
| <u>COIL SPRING.</u>                 |                     |                  |
| WIRE DIAMETER:                      | .54 ins             |                  |
| FREE HEIGHT:                        |                     | 9.09 ± 1/16 ins. |
| NO. OF FREE COILS:                  | 7.2                 |                  |
| MEAN COIL DIAMETER:                 | 3.28 ins            |                  |
| SPRING RATE:                        |                     | 480 ± 10 lb/ins. |
| STATIC LADEN LENGTH:                | 6.6 ins. at load of | 1193 ± 20 lbs.   |
| WORKING LOAD:                       | 1193 lbs            |                  |

| Details of Modifications | Change Point | Note Reference |
|--------------------------|--------------|----------------|
|                          |              |                |
| Issue 1.                 |              | Section L.1    |

# ENGINEERING TECHNICAL DATA

|                    |  |                         |
|--------------------|--|-------------------------|
| <b>Model</b>       | M.G. 2 Seater Series M.G.A. Twin Cam (EX187) | <b>Book No.</b> 21/5010 |
| <b>Section</b>     | FRONT SUSPENSION                             | <b>Sheet No.</b> 2 of 2 |
| <b>Sub-Section</b> | TORSION BAR                                  | <b>Date</b>             |

OVERALL LENGTH: ins.

EFFECTIVE DIAMETER: ins.

MAXIMUM ANGLE OF TWIST (within elastic limit): deg. at lbs.

WORKING LOAD:

INITIAL PERMANENT SET - UNDER LOAD:

EQUIVALENT DATA AT END OF LOWER SUSPENSION LEVER

LOAD RATE (RADIAL TRAVEL) lbs/in.

STATIC DEFLECTION (RADIAL TRAVEL) ins.

MAXIMUM DEFLECTION (RADIAL TRAVEL) ins.

STATIC LOAD lbs.

MAXIMUM LOAD lbs.

METHOD OF ADJUSTMENT:

| Details of Modifications | Change Point | Note Reference   |
|--------------------------|--------------|------------------|
|                          |              |                  |
| <b>Issue</b> 1           |              | <b>Section</b> 1 |