



## J2 TECHNICAL ARTICLE

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### SERVICE INFORMATION SHEET NO. 10 - HEAT TREATMENT OF AXLE BEAMS AND STEERING ARMS

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In view of the developments which have taken place in the treatment of metals, it is of the utmost importance that parts, such as axle beams, steering arms, etc., which have been bent, are not straightened by application of heat.

These parts are specially heat treated to definite degree of toughness, and if again heated the properties are destroyed unless the metal is subject to the original heat treatment.

It is highly probably therefore that components which have been straightened without regard to this special treatment will not only be unsatisfactorily repaired but many also be so weakened as to render them unsafe. We therefore advise all those servicing M.G. cars to adopt the following procedure, which is employed at the factory:-

Steering arms and drop arms.. These parts are never repaired, as their importance is so great and their cost so little.

Front axle beams.. If damaged near the king pin eyes they cannot be repaired, as the application of heat causes scaling, which enlarges the king pin eyes. Provided that the damage is confined to the centre of the beam, however, and is not too extensive, the repair can be carried out successfully.

We ask every M.G. Agent to have these parts repaired at the factory to eliminate as far as possible the danger of unsatisfactory repairs.