



SUPERIOR ENGINEERING PRODUCT MAINTENANCE DATA SHEET

All Superior Engineering manufactured products are designed to be fitted and used to maintain or enhance the OE Manufacturers Factory Vehicle Dynamics, all associated componentry must be considered when being used onroad and are associated or subject to both local and national vehicle standards and also appropriate ADR rulings. The Fitment of Superior Engineering steering components is to be in accordance with OE replacement specifications, thus all associated suspension components **MUST** be retained and re-fitted prior to use, IE: swaybars and other factory fitted items that are required to maintain correct safe vehicle operation as well as correct adjustment of all associated parts and items within OE or Manufacturers critical tolerance &/or adjustment ranges.

Please be advised that the use and application of all Superior Engineering products remain the responsibility of the consumer that the fitment, use and adjustment of all products and their associated componentry be correct and in accordance with both the manufacturers designated use and appropriate for the application and adhere to local laws and regulations in regard to use.

Ensure that all safety information, warnings and instructions are read and understood before any operation or any maintenance procedures are performed. The user is responsible for the performance of maintenance, including all adjustments, the use of proper fasteners, bushings or fixings, and the replacement of components due to normal wear and aging. Failure to adhere to proper maintenance intervals and procedures may result in diminished performance of the product and/or accelerated wear of components. Use mileage, service hours, Calendar time or **WHICH EVER OCCURS FIRST**, in order to determine the maintenance intervals. Products that operate in severe operating conditions may require more frequent maintenance.

Please Note: Before each consecutive Maintenance Interval is performed, all maintenance from the previous service interval must be completed.

Superior Engineering Recommended Maintenance Interval Schedule

Ensure that all safety information, warnings, and instructions are read and understood before any operation or any maintenance procedures are performed.

Please refer to Superior Engineering Product fitment or OE Service Manual for more detailed instructions.

It is important to maintain all OE specified adjustments, use proper lubricants and replace components that become worn due to age and normal use to maximize the life of Superior Engineering components. Failure to adhere to proper maintenance levels and procedures may result in diminished performance and/or accelerated wear of components. Use service hours or calendar time, whichever occurs first, to determine the maintenance interval. Products that operate in severe operating conditions may require more frequent maintenance.

Note: All maintenance from the previous interval must be performed before each consecutive interval is performed.

As Needed or when subjected to Harsh environmental conditions

Replace Tie-rods & Draglinks or associated components when they show signs of corrosion or are damaged, excessively worn or considered non-serviceable, or when a change in vehicle lift or driveline specifications are desired. Replace any bushings, joints fixings or seals (if equipped) when they are damaged, or excessively worn or faulty.

Initial 50 Service Hours

Inspect the following to ensure that each part is in proper working order. Please refer to the Superior Engineering Product fitment or Service Manual for more detailed instructions.

- 1) Check tightness of Tie-rod / Draglink, adjuster or retainer nuts & bolts, Tighten, if loose.
- 2) Check tightness Ball joint clamping bolts, Tighten, if loose (if equipped).
- 3) Inspect all bushings &/or seals and mounting fixtures including steering componentry.
- 4) Grease / lubricate all required joints as per recommended joint service procedures.

Check the ALL bolts for correct tightness. Tighten bolt, if loose to recommended torque values and also ensure correct chemical or mechanical retention if stated.

Initial 250 Service Hours or Three Months

Inspect the following to ensure that each part is in proper working order. Please refer to the Superior Engineering Product fitment or Service Manual for more detailed instructions.

- 1) Check tightness of Tie-rod / Draglink, adjuster or retainer nuts & bolts, Tighten, if loose.
- 2) Check tightness Ball joint clamping bolts, Tighten, if loose (if equipped).
- 3) Inspect all bushings &/or seals and mounting fixtures including steering componentry.
- 4) Grease / lubricate all required joints as per recommended joint service procedures.

Check the ALL bolts for correct tightness. Tighten bolt, if loose to recommended torque values and also ensure correct chemical or mechanical retention if stated.

Every 250 Service Hours or Three Months

Inspect the following to ensure that each part is in proper working order. Please refer to the Superior Engineering Product fitment or Service Manual for more detailed instructions.

- 1) Check tightness of Tie-rod / Draglink, adjuster or retainer nuts & bolts, Tighten, if loose.
- 2) Check tightness Ball joint clamping bolts, Tighten, if loose (if equipped).
- 3) Inspect all bushings &/or seals and mounting fixtures including steering componentry.
- 4) Grease / lubricate all required joints as per recommended joint service procedures.

Check the ALL bolts for correct tightness. Tighten bolt, if loose to recommended torque values and also ensure correct chemical or mechanical retention if stated.

Inspect the Tie-rod / Draglink or associated components to ensure components are in good condition and in proper working order. Replace the Tie-rod / Draglink or associated components:

- when any part of the Tie-rod / Draglink assembly shows signs of excessive wear, or
- when any part of the Tie-rod / Draglink assembly is damaged, or
- when any part of the Tie-rod / Draglink assembly is not in good working order.

Every 500 Service Hours, (6)Six Months, Minor Service or Tire rotation.

1) Remove Tie-rod / Draglink, separate / unwind ball joints to allow inspection of threaded sections and mating areas. If wear or corrosion is evident replace component. Assessment of critical mating componentry is recommended to be performed by a suitably qualified person.

2) Clean / Lubricate or add corresponding chemical locking compounds to components upon re-assembly.

3) Check tightness of Tie-rod / Draglink, adjuster or retainer nuts & bolts, Tighten, if loose.

4) Check tightness Ball joint clamping bolts, Tighten, if loose (if equipped).

5) Inspect all bushings &/or seals and mounting fixtures including steering componentry.

6) Grease / lubricate all required joints as per recommended joint service procedures.

7) Check Assembly for excessive play or wear outside OE or manufacturers recommendation in any replaceable steering joint, replace joint/s if required.

Every 1000 Service Hours or One Year

Check tightness of Tie-rod / Draglink, adjuster or retainer nuts & bolts, Tighten, if loose.

Check tightness Ball joint clamping bolts, Tighten, if loose (if equipped).

Inspect all bushings, joints, mounting and fixtures including chassis for wear or play, replace as necessary.

Ensure all seals and grease points are operational and lubricate as recommended.

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