



Moss Motors, Ltd.
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How to Make Your Series I or II E-Type Handle

The Series I and II E-Type's suspension is a compromise between good handling and a relatively comfortable ride. Given the technology available in the 1960s and the desire to please as many customers as possible, Jaguar did an admirable job. But with prudent modifications that employ updated technology, we can make your E-Type handle like it's never handled before and maintain a comfortable ride. The parts described below will make a tremendous difference and most can be installed by a skilled home mechanic. We've even bundled some of the upgrades into convenient and money-saving packages.

Stage One

You might call this the *baseline* or *foundation* stage, but you will be amazed at the difference even standard replacement parts can make. If it's been more than ten years since the following parts have been replaced (or if you don't know when they were last looked after), we highly recommend the following:

Description	Part Number
Front Suspension Rebuild Kit	34-200
<i>Includes upper and lower ball joints, upper and lower A-arm bushings, sway bar mount bushings and end-link bushings.</i>	
I.R.S. Mounts, OEM, Four Required	C17198JAG
I.R.S. Mounts, Aftermarket	C17198
Radius Arm Bushings, Small, OEM	MHC3160AAJ
Radius Arm Bushings, Small, Aftermarket	MHC3160AA
Radius Arm Bushings, Small, Upgraded Polyurethane	MHC3160AAPLY
Radius Arm Bushings, Large, OEM	MHC3170AAJAG
Radius Arm Bushings, Large, Aftermarket	MHC3170AA
<i>The I.R.S. mounts and radius arm bushings locate the entire rear suspension assembly and keep everything in proper alignment; otherwise, you'll have a rear-wheel-steer E-Type!</i>	
Steering Rack Mount, OEM	C20087OEM
Steering Rack Mount, Aftermarket	C20087
<i>Likewise, worn mounts allow for lateral movement of the steering rack and make for sloppy steering and poor contact-patch communication.</i>	
Steering Tie Rod Ends, Pair	C25447
Torsion Bar Pair, Mild Upgrade to .800" O.D.	C27904/5

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Moss Motors, founded in 1948, is a multi-national warehouse distributor, manufacturer and retailer of performance, restoration and replacement parts for vintage British and specialty market vehicles including Jaguar, MG, Triumph, Austin Healey, classic Mini and Mazda Miata.

Stage Two

We'll assume your foundation is now in good order, so Stage Two is where the modifications – and the largest performance gains -- begin. Our heavy-duty sway bar kit includes a 1" front and a 3/4" rear anti-sway bar for far flatter cornering but with virtually no sacrifice in ride comfort. Our GAZ shocks (only replace in car sets) allow easy adjustment of damping rates while on the car. To further simplify installation, our Stage Two B kit offers the rear shocks with new coil springs installed by our workshop.

Description	Part Number
Heavy Duty Sway Bar Set	37-1089
GAZ Adjustable Shock, Front (Two Required)	GT2-2097
GAZ Adjustable Shock, Rear (Four Required)	C25951GAZ
Stage Two, Package A <i>(Sway Bar Set, Six GAZ Shocks)</i>	37-1052
Stage Two, Package B <i>(As above but with new rear coil springs-installed on your new GAZ shocks.)</i>	37-1053

Stage Three

This stage includes all of Stage Two but further reduces front suspension movement with a set of polyurethane front suspension bushings for the upper and lower A-arms, sway bar mounts and sway bar end links. Our polyurethane suspension bushings offer a number of advantages over standard rubber bushings: They will last the life of the car and offer unequaled resistance to dry rot and ozone. They also offer a seemingly impossible combination of better performance through less deflection but with virtually no penalty in ride quality. Finally, they do not squeak! We've sold thousands of polyurethane suspension bushings over the years.

Description	Part Number
Polyurethane Front Suspension Bushing Kit	37-6004

Stage Four

Stage Four includes all of Stage Three and then takes things to a new level. With the exception of our adjustable torsion bar reaction plate, these components will allow more vibration through the steering and suspension, but the payoff is far more responsive handling and less suspension compliance. Purchase individually to achieve your specific goals.

Description	Part Number
Heavy Duty Front Torsion Bar Pair, .860" O.D.	C27904/860
Solid Steering Rack Mount Pair	37-1208
Ultimate Torsion Bar Reaction Plate	37-1524
<i>This plate allows for precise and infinite adjustment of ride height.</i>	
Heavy Duty I.R.S. Mount Kit	34-1060
Heavy Duty Radius Arm Bushing Kit	34-1050
<i>These two kits allow for even less movement of the rear suspension unit. Being stiffer, they will transfer a bit more vibration into the passenger compartment compared to standard mounts.</i>	

Other Replacement Parts

At Moss Classic Jaguar, we stock virtually every component your E-Type's steering or suspension might ever need. Here is a small sample of additional wear items.

Description	Part Number
Splined Hub, Right Front	C19225/1
Splined Hub, left Front	C19226/1
Splined Hub, Right Rear	C20889
Splined Hub, Left Rear	C20890
Front Wheel Bearing Kit (two required)	JLM257
Rear Wheel Bearing Kit (two required; not for early 3.8)	JLM9732