

Installation Instructions



ANTI-ROLL KIT- #5530.310

MAZDA, Miata, 99-01

Kit Contents	Description	Part Number	Qty
FRONT BAR	Front Bar	5530.320VA	1
	Hardware kit		
	Bushing	UB0009	2
	Bracket	ES15.802	2
	Lubricant	AR.LUBRICANT	1
DOCUMENTS	Instructions	5530.310INST	1
	Information Kit	EPAK	1

Preparing the vehicle for Anti-Roll Kit Installation

1. A technician, certified in the suspension work and/or familiar with your particular vehicle, should perform the Installation of this kit. A factory shop manual may be necessary for the installation of this kit.
2. Verify the individual Anti-Roll Bars and necessary hardware included in the Eibach Anti-Roll Kit is correct for your vehicle. Use the Bill of Materials Listing above to verify all hardware.
3. Raise the vehicle securely off the ground using a commercial car lift or jack stands.
4. **Never work on/or under a vehicle that is solely supported only by a "JACK"!!**
5. If necessary, remove the wheels from the axles for better access.

Front Bar Installation

Removing the factory Front Anti-Roll Bar

1. Loosen the lower engine splash guard fasteners and remove the lower engine splash guard from the vehicle.
2. Loosen and remove the end links from the anti-roll bar arms only (both sides). **Do not discard this hardware, as it will be needed to re-install the Eibach Anti-Roll Bar.**
3. Loosen and remove the stock middle bushing brackets (both sides).
4. Remove the stock anti-roll bar from the vehicle.

Installing the Eibach Front Anti-Roll Bar

1. Lubricate the new Eibach Middle Bushings with the lubricant supplied.
2. Install the new middle bushings on the Eibach Anti-Roll Bar in the same position as they were installed on the factory bar.
3. Align the middle bushings (both sides), install the new brackets (supplied) and tighten to the vehicle chassis.
4. Re-install the end links to the anti-roll bar arms (both sides). This particular bar is adjustable by changing between the inner and outer holes at the end of the bar.
 - a. For a SOFT characteristic, align the OUTER drill hole of the anti-roll bar to the end links and re-install the factory nuts and bolts.
 - b. For STIFF characteristic, align the INNER drill hole of the anti-roll bar to the end links and re-install the factory nuts and bolts.
5. Tighten all nuts and bolts used in the installation of the anti-roll bar to the factory torque specifications.
6. Re-install the lower engine splash guard and fasteners on the vehicle.

General Instructions and Safety Tips

Installation

- Eibach Suspension Spring sets should only be installed by a qualified licensed mechanic experienced in the installation and removal of suspension springs. We also recommend that your Eibach Suspension Springs be installed by a dealer experienced in the care and repair of the specific type of vehicle in which the Eibach Suspension Springs are to be installed.
- When the installation facility attempts to install the Eibach Suspension Spring set, they should always remember to support your (the consumer) vehicle with jack stands. **NO ONE SHOULD EVER WORK UNDER A VEHICLE SUPPORTED ONLY WITH A JACK!** When re-installing, (if necessary) all parts should be cleaned, examined and replaced. Upon completion, the factory torque settings of all nuts, bolts and the overall installation should be re-checked.
- Before Disassembly it is important to mark the orientation of the upper perch with respect to the lower perch before disassembly. This orientation must remain the same with the installation of the Pro Kit springs. Noise may result if this procedure is not performed correctly.
- Installation and use of an Eibach Suspension Spring set **NOT DESIGNED FOR YOUR VEHICLE** may result in personal injury or property damage. Always consult your Eibach dealer or a qualified licensed mechanic experienced in installing suspension springs if you are unsure about the suitability of a particular suspension spring set for your vehicle.
- Removal and installation of suspension springs can be dangerous if you do not take all the OEM recommended safety precautions and use the proper tools. This process should only be performed by a qualified technician. Springs under compression contain stored energy that may cause severe property damage and/or injury if not handled properly.
- Your car may have certain accessories or features which require inspection and/or adjustment after installation of your Eibach Suspension Spring set. The qualified mechanic installing your Eibach Suspension Springs should also inspect and where necessary, adjust:
 - Self-leveling system, if your car is so equipped
 - Wheel alignment such as camber, caster, toe in and toe out (may require additional components)
 - Aftermarket tire and/or wheel fender clearance
 - Brake line clearance and attachment
 - The sensors on your brake anti-locking, anti-skid and stability control systems

Failure to adjust these items may result in systems malfunction and cause serious injuries.

Safety

- Eibach Suspension Springs may change the way your vehicle drives, especially through curves. Drive slowly until you (the consumer) know and become accustomed to the new driving/handling characteristics of the suspension enhanced vehicle. Always obey posted speed limits.
- Certain changes in the way the vehicle drives or rides may indicate that the Eibach Suspension Springs have not been fitted correctly, have become displaced, or are in need of replacement. If the vehicle does not stand "even" when parked, vibrates at highway speeds, becomes misaligned or does not provide a smooth ride, you (the consumer) should have the Eibach Suspension Springs inspected by a qualified licensed mechanic experienced in the installation of suspension springs. Continued use of defective or misfit Eibach Suspension Springs could result in personal injury or property damage.
- Your Eibach Suspension Springs were manufactured and tested under strict quality control standards. However, under certain circumstances, **ALL SPRINGS CAN BREAK**. To avoid damage or breakage, suspension springs should not be subjected to:
 - Excessive speeds: Maximum legal speeds should be observed at all times and never exceeded.
 - Excessive weight: Vehicle manufacturers suggested loads should be observed at all times and never exceeded.
 - Undue strain caused by off-road or continued use on poorly maintained or un-maintained roads.
 - Undue strain caused by unusually sharp and/or quick maneuvering or steering.

Installation Instructions



ANTI-ROLL KIT- #5517.312

MAZDA, Miata, 90-93

Kit Contents	Description	Part Number	Qty
REAR BAR	Rear Bar	5517.320HA	1
	Hardware kit	5517.312HK	
	Bushing	UB0089	2
	Lubricant	AR.LUBRICANT	1
DOCUMENTS	Instructions	5517.312INST	1
	Information Kit	EPAK	1

Preparing the vehicle for Anti-Roll Kit Installation

1. A technician, certified in the suspension work and/or familiar with your particular vehicle, should perform the Installation of this kit. A factory shop manual may be necessary for the installation of this kit.
2. Verify the individual Anti-Roll Bars and necessary hardware included in the *Eibach* Anti-Roll Kit is correct for your vehicle. Use the Bill of Materials Listing above to verify all hardware.
3. Raise the vehicle securely off the ground using a commercial car lift or jack stands.
4. **Never work on/or under a vehicle that is solely supported only by a "JACK"!!**
5. If necessary, remove the wheels from the axles for better access.

Rear Bar Installation

Removing the factory Rear Anti-Roll Bar

1. Loosen and remove the end links from the anti-roll bar arms (both sides). **Do not discard this hardware, as it will be needed to re-install the *Eibach* Anti-Roll Bar.**
2. Loosen and remove the stock middle bushing brackets (both sides). **Do not discard these brackets, as they will be needed to re-install the *Eibach* Anti-Roll Bar.**
3. Remove the stock anti-roll bar.

Installing the *Eibach* Rear Anti-Roll Bar

1. Lubricate the new *Eibach* middle bushings with the lubricant (supplied).
2. Position the new middle bushings on the *Eibach* Anti-Roll Bar in the same position as they were installed on the factory bar (both sides).
3. Align the middle bushings (both sides), install the factory brackets and tighten to the vehicle chassis.
1. Re-install the end links to the anti-roll bar arms (both sides). This particular bar is adjustable by changing between the inner and outer holes at the end of the bar.
 - a. For a SOFT characteristic, align the OUTER drill hole of the anti-roll bar to the end links and re-install the factory nuts and bolts.
 - b. For STIFF characteristic, align the INNER drill hole of the anti-roll bar to the end links and re-install the factory nuts and bolts.
2. Tighten all nuts and bolts used in the installation of the anti-roll bar to the factory torque specifications.