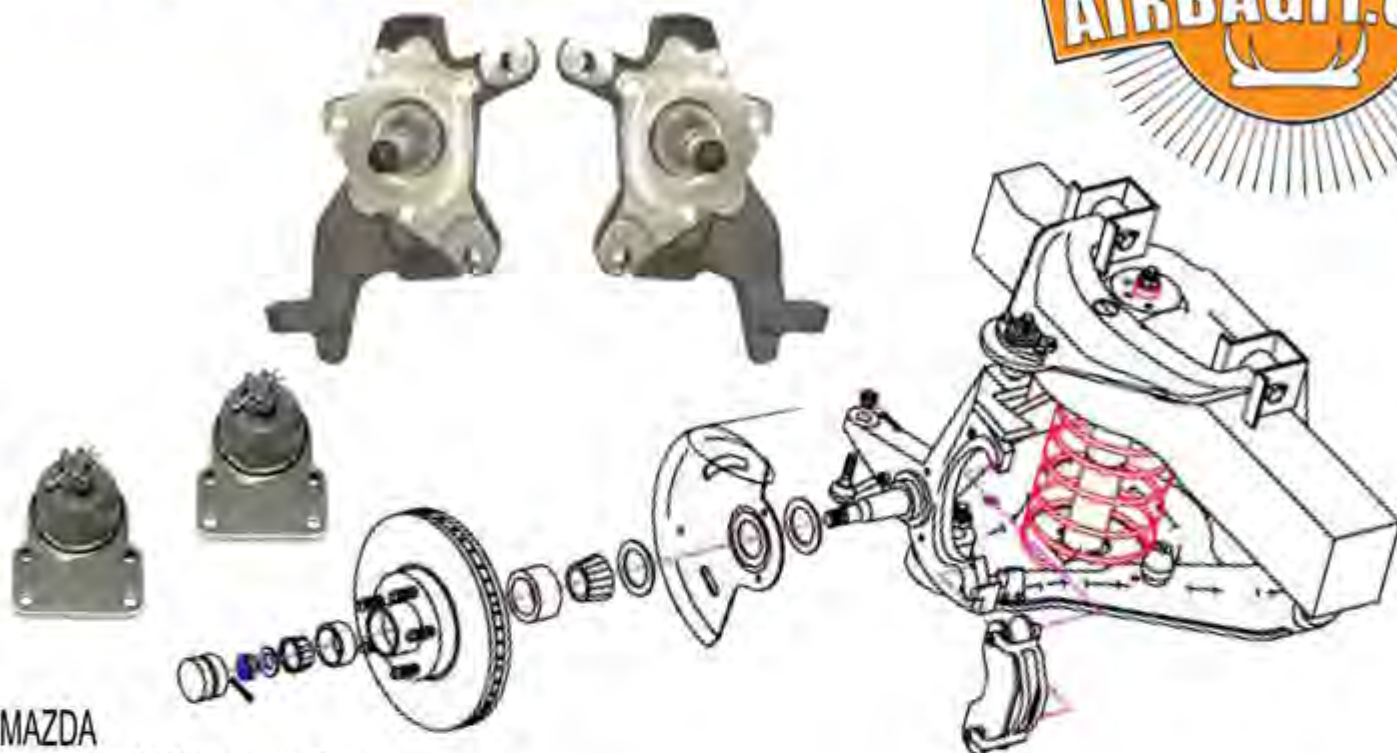


Mazda Drop Spindle

Installation Instructions

(Click on picture of part to purchase.)



MAZDA

1. REMOVE ORIGINAL BALL JOINT.
2. CUT OFF METAL RAISED AREA ON THE ORIGINAL CONTROL ARM TO ALLOW NEW REPLACEMENT BALL JOINT TO SEAT.
3. NOTE THAT NEW BALL JOINT ASSEMBLY IS INSTALLED IN THE OPPOSITE DIRECTION.

TO REMOVE STOCK SPINDLES:

1. RAISE THE FRONT OF THE VEHICLE AND PLACE FLOOR STAND UNDER THE FRONT LIFT POINTS. DO NOT PLACE FLOOR STANDS UNDER THE LOWER CONTROL ARMS BECAUSE SPRING TENSION IS NEEDED TO ASSIST IN BREAKING THE BALL JOINT.
2. REMOVE CALIPERS , & SUPPORT WITH A PIECE OF WIRE TO PREVENT DAMAGE TO THE BRAKE LINE.
3. REMOVE HUB DISC ASSEMBLY.
4. REMOVE BOLTS ATTACHING SPLASH SHIELDS TO KNUCKLE.
5. REMOVE TIE ROD ENDS FROM KNUCKLE AND KNUCKLE SEAL.
6. REMOVE BALL JOINT STUDS FROM KNUCKLE.

TO INSTALL NEW SPINDLES:

1. SET NEW LIFT SPINDLE OVER THE BALL JOINT STUD IN THE LOWER CONTROL ARM, ATTACH THE UPPER CONTROL ARM BALL JOINT, AND INSTALL THE CASTLE NUTS.
2. TIGHTEN TO FACTORY SPECS (9 FT. LBS.) AND SECURE WITH NEW COTTER PINS.
3. INSTALL SPINDLE SEAL.
4. INSTALL SPLASH SHIELD.
5. INSERT TIE ROD INTO SPINDLE AND TIGHTEN TO FACTORY SPECS. INSTALL COTTER PIN
6. INSTALL HUB DISC ASSEMBLY AND ADJUST WHEEL BEARING.
7. INSTALL DISC BRAKE CALIPER.

DIAGRAM #5

SPINDLE DROP.PDF

CAUTION

THE BRAKE LINE ELBOW MUST BE GENTLY BENT BY HAND TO ALLOW THE BRAKE LINE TO CLEAR THE UPPER BALL JOINT. BE CAREFUL NOT TO DAMAGE THE LINE OR FITTING. DO NOT USE PLIERS, THEY WILL CAUSE DAMAGE. WHEELS WITH MORE THAN 3 1/2 INCHES OF BACKSPACING, INCLUDING THE FACTORY 17 INCH STEEL AND ALUMINUM WHEELS, WILL INTERFERE WITH THE LOWER CONTROL ARM WHICH IMPAIR THE VEHICLES STEERING AND ARE STRONGLY CAUTIONED AGAINST. WE RECOGNIZE THAT IT IS A COMMON PRACTICE TO TRIM THE LOWER CONTROL ARM TO ELIMINATE THE RIM CONTACT AREAS TO PROVIDE CLEARANCE FOR WHEELS WITH MORE THAN 3 1/2 INCHES OF BACKSPACING. WE HAVE NOT DETERMINED THE AFFECT OF SUCH MODIFICATIONS. ANY PERSON MODIFYING STOCK COMPONENTS DOES SO AT THEIR OWN RISK. A REINFORCEMENT GUSSET IS AVAILABLE AND RECOMMENDED. FOR 88 CHEVY C-35 YOU WILL NEED AN UPPER BUMP STOP FROM AN 89 OR LATER C-35