

Front Suspension - Lower Arm - Front - Removal and Installation

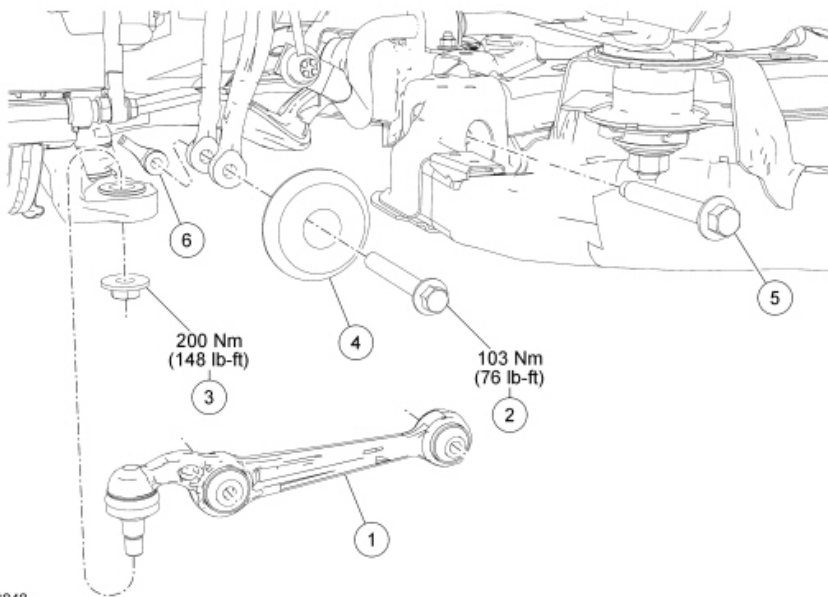
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204-01 Front Suspension	2010 Fusion, Milan, MKZ, Fusion Hybrid, Milan Hybrid
REMOVAL AND INSTALLATION	Procedure revision date: 03/27/2009

Lower Arm — Front

Special Tool(s)

 ST2646-A	Adapter for 204-592 204-592/1
 ST2945-A	Separator, Ball Joint 204-592



Item	Part Number	Description
1	3A423	Lower arm (front)
2	W500550	Damper fork-to-lower arm bolt

3	3C499	Lower ball joint nut (front)
4	3C156	Damper
5	W712840	Front lower arm-to-subframe bolt
6	3C347	Damper fork-to-lower arm flagnut

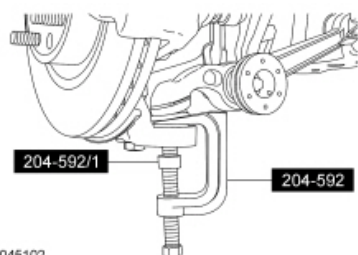
Removal and Installation

NOTICE: Suspension fasteners are critical parts because they affect performance of vital components and systems and their failure may result in major service expense. New parts must be installed with the same part numbers or equivalent part, if replacement is necessary. Do not use a replacement part of lesser quality or substitute design. Torque values must be used as specified during reassembly to make sure of correct retention of these parts.

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to [Section 100-02](#).
2. Using a suitable jack, support the front wheel knuckle at the rear lower ball joint.
3. Remove the front lower arm-to-subframe bolt.
 - Discard the bolt.
 - To install, tighten the new bolt to 110 Nm (81 lb-ft), then tighten an additional 90 degrees with the suspension at the bushing fastener tightening position.
4. Remove the damper fork-to-lower arm bolt flagnut and damper.
 - Discard the bolt and flagnut.
 - To install, tighten the new bolt and flagnut to 103 Nm (76 lb-ft) with the suspension at the bushing fastener tightening position.
5. Remove and discard the front lower ball joint nut.
 - To install, tighten the new nut to 200 Nm (148 lb-ft).
6. **NOTICE:** When the lower ball joint is separated from the wheel knuckle, the lower arm may strike the outer Constant Velocity (CV) joint boot with enough force to damage the boot clamp. This will result in a loss of grease from the outer CV joint. Place a block of wood, or similar item, between the lower arm and the outer CV joint to prevent the lower arm from striking the outer CV joint.

NOTE: Once pressure is applied to the ball joint with the Ball Joint Separator and Adapter, it may be necessary to tap the wheel knuckle at the ball joint area to separate the ball joint from the wheel knuckle.

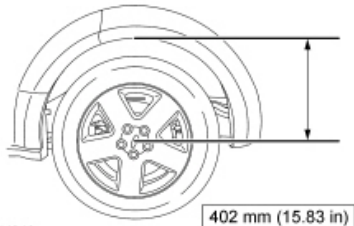
Using the Ball Joint Separator and Adapter, separate the front lower ball joint from the wheel knuckle and remove the front lower arm.



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7. **NOTICE:** Before tightening any suspension bushing fasteners, the suspension must be at the bushing fastener tightening position. Use a suitable jack to raise the suspension until the distance between the center of the hub and the lip of the fender is equal to 402 mm (15.83 in). This will prevent incorrect clamp load and bushing damage.

To install, reverse the removal procedure.



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