



For ALL Your Air Suspension Needs!!!

1995-1998

Ford Windstar



110F-30-R

Rear Conversion kit

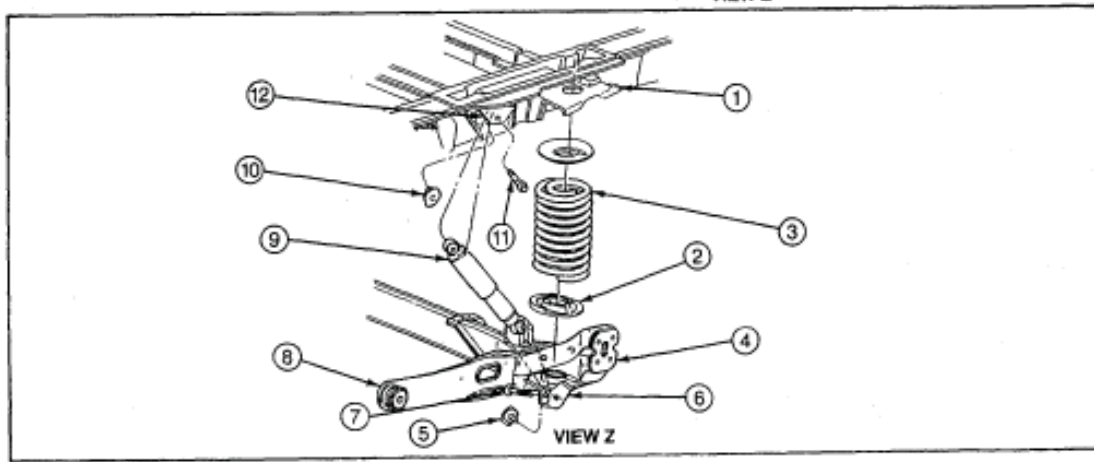
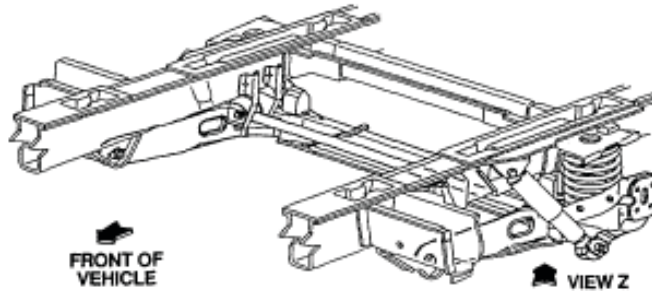


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WARNING:

BEFORE YOU BEGIN THE REMOVAL OR INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY! THE WARRANTY WILL BE VOID IF INSTRUCTIONS ARE NOT FOLLOWED EXACTLY. DO NOT WORK UNDER CAR UNDER A VEHICLE SUPPORTED BY A JACK. ALWAYS SUPPORT THE VEHICLE ON SAFETY STANDS.

Part 1 Of 2



Part 2 Of 2

Item	Part Number	Description
1	—	Upper Spring Seat (Part of Unibody)
2	5536	Rear Spring Insulator
3	5560	Rear Spring
4	4B435	Rear Axle Assembly
5	N620483-S60	Nut
6	—	Lower Shock Mounting Bracket (Part of 4B435)

Item	Part Number	Description
7	N808006-S60	Bolt
8	5K790	Rear Suspension Lower Arm Bushing
9	18080	Shock Absorber
10	N808902-S60	Nut
11	N808590-S60	Bolt
12	—	Upper Shock Absorber Mounting Bracket (Part of Unibody)

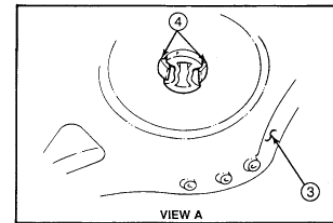
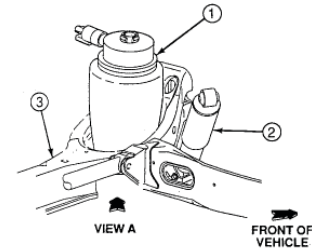
AIR SPRING REMOVAL

1. Raise vehicle on hoist and place a floor jack under lower rear axle assembly. Raise the vehicle to normal position when at curb height.
WARNING: TURN OFF REAR SUSPENSION LEVELER COMPRESSOR SWITCH TO PREVENT PERSONAL INJURY. NOTE: If a twin-post hoist is used, vehicle must be supported on jackstands placed under pads of the underbody forward of the axle trailing arm bracket.

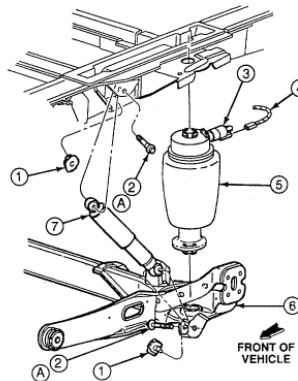
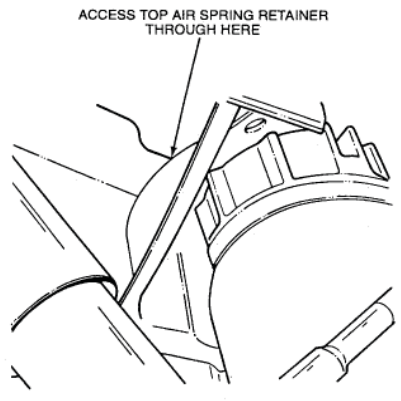
2. Remove wheel and tire assembly.
3. Raise and support axle assembly.
4. Remove air spring solenoid valve.

5. Disconnect rear spring at lower spring axle seat (squeeze tabs and push spring up).
WARNING: DO NOT REMOVE AN AIR SPRING UNDER ANY CIRCUMSTANCES WHEN THERE IS AIR PRESSURE IN THE AIR SPRING. DO NOT REMOVE ANY COMPONENTS SUPPORTING AN AIR SPRING WITHOUT EITHER EXHAUSTING THE AIR OR PROVIDING SUPPORT FOR THE AIR SPRING.

6. Slowly lower rear axle assembly with jackstand to allow access and removal of rear spring.
7. While holding rear spring with one hand, disconnect spring at upper frame spring seat with the other hand (squeeze retainer tabs at top of frame spring seat). Access retainer tabs on top of frame from front of rear spring. The top retainer is not visible, but can be accessed.



Item	Part Number	Description
1	5560	Rear Air Spring
2	18080	Shock Absorber
3	4B435	Axle Assembly
4	—	Retainer Tabs (Part of 5560)



Item	Part Number	Description
1	805448	J-Nut
2	808590	Bolt

Item	Part Number	Description
3	5311	Solenoid Valve
4	—	Electrical Connector (Part of 14405)
5	5560	Rear Air Spring
6	4B435	Axle Assembly
7	18080	Shock Absorber
A	—	Tighten to 68-92 N-m (51-67 Lb-Ft)

8. Remove rear spring.



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COIL REMOVAL

NOTE: If a twin-post hoist is used, vehicle must be supported on jackstands placed under pads of the underbody forward of the axle trailing arm bracket.

1. Raise vehicle on a hoist and place a floor jack under lower rear axle assembly. Raise the vehicle to normal position when at curb height.
2. Remove wheel and tire assembly.
3. Remove nut and bolt attaching shock absorber to rear axle assembly and remove.
4. Slowly lower rear axle assembly with floor jack until rear spring can be removed.

INSTALLATION

1. Position rear spring insulator on rear axle assembly and press insulator downward into place. Verify rear spring insulator is properly seated into correct position on axle assembly.
2. Position rear spring insulator on top of spring. Install rear spring on rear axle assembly, making sure rear spring is properly seated.
3. Slowly raise rear axle assembly with floor jack and guide upper rear spring insulator onto upper spring seat on underbody.
4. Position shock absorber on lower rear axle assembly and install two new nuts and bolts. Tighten to 68 to 92 Nm (50 to 68 ft. lbs.) .
5. Using floor jack, raise rear axle assembly to normal position when at curb height.
6. Install wheel and tire assembly.
7. Remove floor jack and lower vehicle.

REMOVAL Shock Absorber

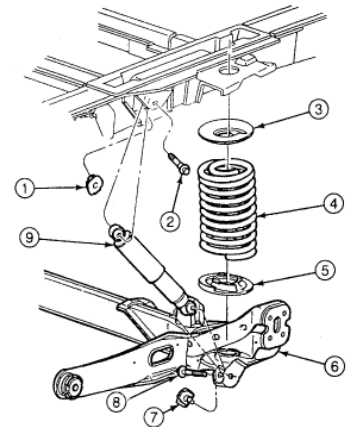
CAUTION:

- * The rear axle assembly must be supported before removal of shock absorber or retaining bolts to prevent damage to vehicle components.
- * Support rear axle on both sides of the U-channel when servicing the shock absorbers or damage to the rear axle may occur.

1. Raise vehicle on hoist.
2. Remove tire and wheel assembly.
3. Position a jackstand under the rear axle assembly. Raise rear axle assembly slightly to put suspension at normal position.
4. Remove lower shock absorber bolts and nuts.
5. Lower rear axle slightly to help aid removal of upper shock absorber bolts and nuts.
6. Remove the shock absorber assembly.

INSTALLATION

1. Attach the shock absorber to the upper mounting bracket and install the retaining bolt and nut.
2. Slightly raise the rear axle assembly, using a jackstand, so the shock absorber aligns with the shock absorber rear axle mounting bracket.
3. Install the lower shock retaining bolt and nut.
4. Tighten the retaining bolts to 68 to 92 Nm (50 to 68 ft. lbs.) .
5. Install rear wheel and tire assembly.
6. Remove the jackstand from the rear axle assembly.
7. Lower the vehicle.



Item	Part Number	Description
1	N808902-S60	J-Nut
2	N808590-S60	Bolt M12-1.75 x 66 Hex Flanged Head
3	5536	Rear Spring Insulator (Upper)
4	5560	Rear Spring
5	5536	Rear Spring Insulator (Lower)
6	4B435	Axle Assembly
7	N620483-S60	Nut
8	N808006-S60	Bolt
9	18080	Shock Absorber