



***Spin Free  
Unit Bearing Eliminator  
Installation Instructions***

- > 94-99 DODGE 2500/3500
- > 2000-2008 DODGE 2500/3500 SRW/DRW

## ***Spin Free Unit Bearing Eliminator Installation Instructions***

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# **Unit Bearing Eliminator Kit Installation Instructions for Dodge 3/4 & 1 Ton Truck**

DRW = Dual Rear Wheel  
SRW = Single Rear Wheel

Before starting, make sure you have all the proper tools and safety equipment!

- Read instructions carefully before starting. Do not attempt to install the kit unless you are an equipped and experienced mechanic.
- Always wear safety goggles and proper safety gear when dealing with tools and chemicals
- Check parts list carefully. If any components are missing, contact your Yukon distributor.
- The Dodge 3500 DRW kits do not reuse the wheel adaptor. There is a new wheel hub for these trucks. Do not attempt to bore the inside diameter of the OEM wheel adaptor.
- The center cap of the OEM wheels will need to have a hole cut into them to properly engage the lock-out.
- The locking hubs provided in this kit will need to be manually engaged for 4 wheel drive to work.
- Inspect all parts. If any parts appear to be damaged, contact your Yukon distributor for replacements. Any modified, neglected, abused or improperly installed parts will NOT be accepted or replaced.

### **TOOLS REQUIRED:**

- 12mm Allen wrench or socket
- 22mm (or 7/8") wrench and socket
- 14 mm 12 point socket
- 4 point 1 ton spanner socket
- Die grinder w/flap wheel, or equivalent
- Common air or hand tools

### **INSTALLATION**

- Make all required modifications to your wheel's center caps.
- Clean and inspect all parts.
- Make sure vehicle is in park, with the emergency brake on.
- Block the rear tires.
- Lift and support the front axle with jack stands.
- Begin process to remove outer axles.
- Remove front wheels.
- Remove brake calipers and allow them to hang from vehicle. Do not hang calipers from brake hoses. It is NOT necessary to disconnect the brake hoses.
- Remove DRW adapters. (DRW trucks only)
- Remove factory brake rotor 2000-2008 Dodge. 94-99 Dodge brake rotor will need to be removed from OEM unit bearing and studs after being removed from the vehicle.

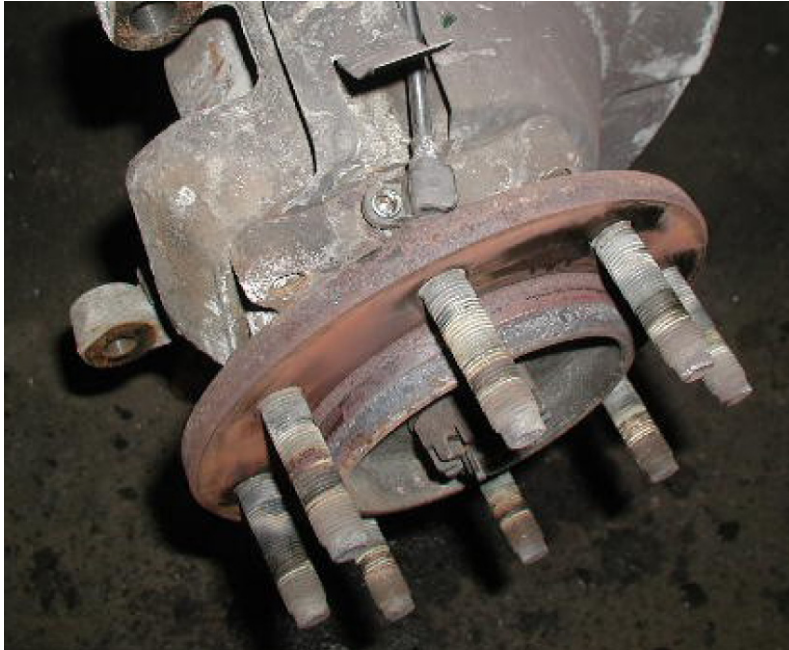


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### **INSTALLATION (cont)**

- Remove the ABS sensor. (if applicable.)
- (Dodge 2000-2008) Remove ABS Sensor bolt from top of unit bearing.
- (Dodge 94-99) Remove the ABS Sensor bolts from the back of the steering knuckle.
- Pull Sensor straight out of unit bearing. Take care not to damage the sensor.



- Remove (4) factory bolts retaining the unit bearing to the steering knuckle.
- Remove unit bearing assembly. This may take some force depending on amount of rust, salt or corrosion present. The axle shafts will be removed with the unit bearing. Take caution removing the shaft assembly not to damage the inner shaft seals.



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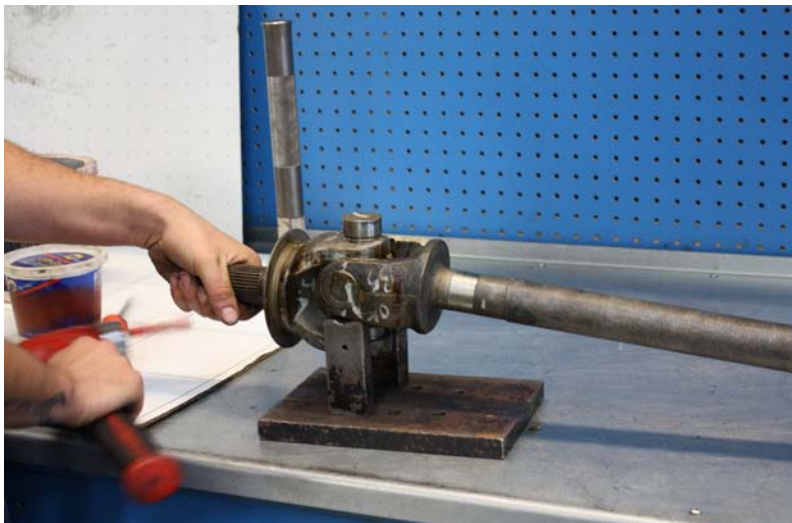
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### **INSTALLATION (cont)**

- Remove the OEM U-joint and inner axle from the outer axle. Check the OEM U-joints for excessive play or wear. Replace shaft U-joints if necessary. If being reused the U-joints may be left pressed into the inner axle shaft. Shaft assembly may need to be removed from the unit bearing for U-joint removal. Remove cotter pin and unit bearing retaining nut using a 1-11/16" socket.
- Remove U-joint clips from the outer axle.



- Press the U-joint out of the OEM outer axle.





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### **INSTALLATION (cont)**

- If being reused the U-joints may be left pressed into the inner axle shaft.

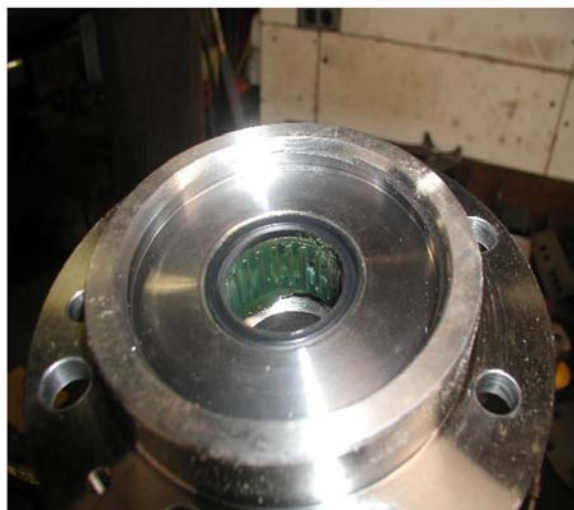


- Install the new outer stub axles to the inner axle shaft and U-joint assembly.
- Dodge 2003-2008 will need to use the U-Joint spacers supplied with the kit. The spacers will center the U-joint between the OEM axle shaft.
- Install dust shields, spacers & seals to the outer stub axle. Install outer stub bearing and seal into the spindle.



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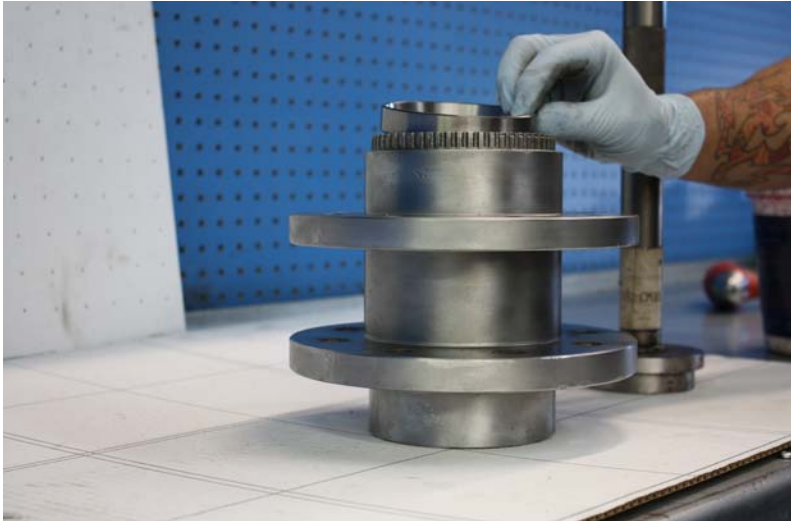


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### **INSTALLATION (cont)**

- Install wheel bearing races into the new wheel hubs provided in kit.



- Make sure bearing races are fully seated into the hub.





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### **INSTALLATION (cont)**

- Pack the inner wheel bearing with a high temperature disk brake wheel grease. Use a wheel bearing packer if possible. To pack by hand, place a large amount of grease in the palm of your hand and force the edge of the bearing into the grease so that it fills with grease. Continue until the whole bearing is coated with grease. Apply additional grease with fingers.



- Install the packed inner wheel bearing into the wheel hub.





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### **INSTALLATION (cont)**

- Apply multipurpose lithium grease to the hub seal. Coat the entire lip of the seal with grease.



- Press the hub seal into the new wheel hub.
- Pack the outer wheel bearing with grease as described above.
- Install the packed outer wheel bearing into the wheel hub.



- Install disk brake rotor and wheel studs if necessary.
- (Dodge 2000-2008) Install OEM disk brake rotor using supplied hardware.

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### **INSTALLATION (cont)**

- (Dodge 94-99) The disk brake rotor will need to be removed from the OEM studs and unit bearing. Do not reuse the OEM wheel studs. Press new wheel studs into the supplied wheel hub to secure the rotor.
- Install the ABS sensor holder onto the spindle using the supplied hardware. Install the holder so the sensor wire is pointing towards the ball joints.
- Clearance the OEM dust shield to clear the ABS sensor as necessary. The OEM dust shield will be installed directly behind the new spindle.



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### **INSTALLATION (cont)**

- Clean the steering knuckle where the new spindle will be installed. You may need to use a die grinder equipped with a flapping wheel, depending on the amount of rust or corrosion present.



- Apply a liberal amount of grease to the seal area and splines of the inner axle shafts.
- Install new axle shaft assembly into the axle housing. Careful attention must be taken when installing the inner axle not to damage the inner axle seal.
- Apply anti-seize to the knuckle surface where the spindle will be installed.



- Install the new spindle over the axle and into the steering knuckle. The 2 threaded holes must be aligned to the top of the steering knuckle. OEM dust shields must be located between the steering knuckle and the new spindles. Torque supplied hardware to 135 ft/lbs.



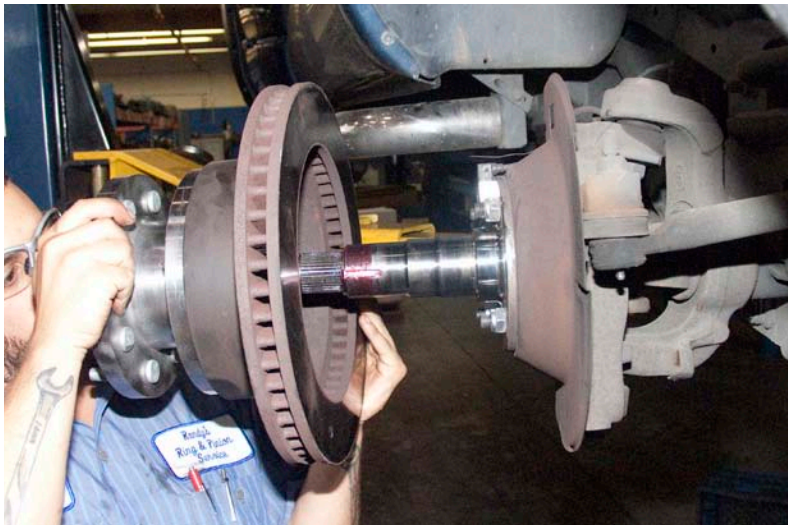
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### **INSTALLATION (cont)**

- Apply a light coat of grease to the outer spindle surfaces.
- Install the hub & rotor assembly onto the spindle. Be careful not to jam the bearings or damage any seal surfaces.



- Make sure the bearings fully seat onto the bottom of the spindle.
- Install the inner jam nut, with the pin facing outward.
- Tighten the inner locknut to 50 ft/lbs, using a spanner locknut wrench. While tightening the inner locknut rotate the rotor & hub assembly to fully seat the bearings.



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### **INSTALLATION (cont)**

- Back the locknut off 90 degrees.
- Re-tighten locknut back to 15-20ft/lbs.

## **Do not over torque the spindle nut**

- Install lock washer. The key should be positioned into the groove of the wheel spindle. Align the pin of the inner locknut to the nearest lock washer hole. The lock washer may be flipped over to obtain the closest fit.
- Install the outer locknut, tighten to 160-205 ft/lbs.
- Check the final assembly for endplay. Acceptable tolerances are 0.000-0.002".
- Torque required to rotate the hub assembly should not exceed 20 in/lbs.
- Install the premium lockout hubs with the instructions provided with them.

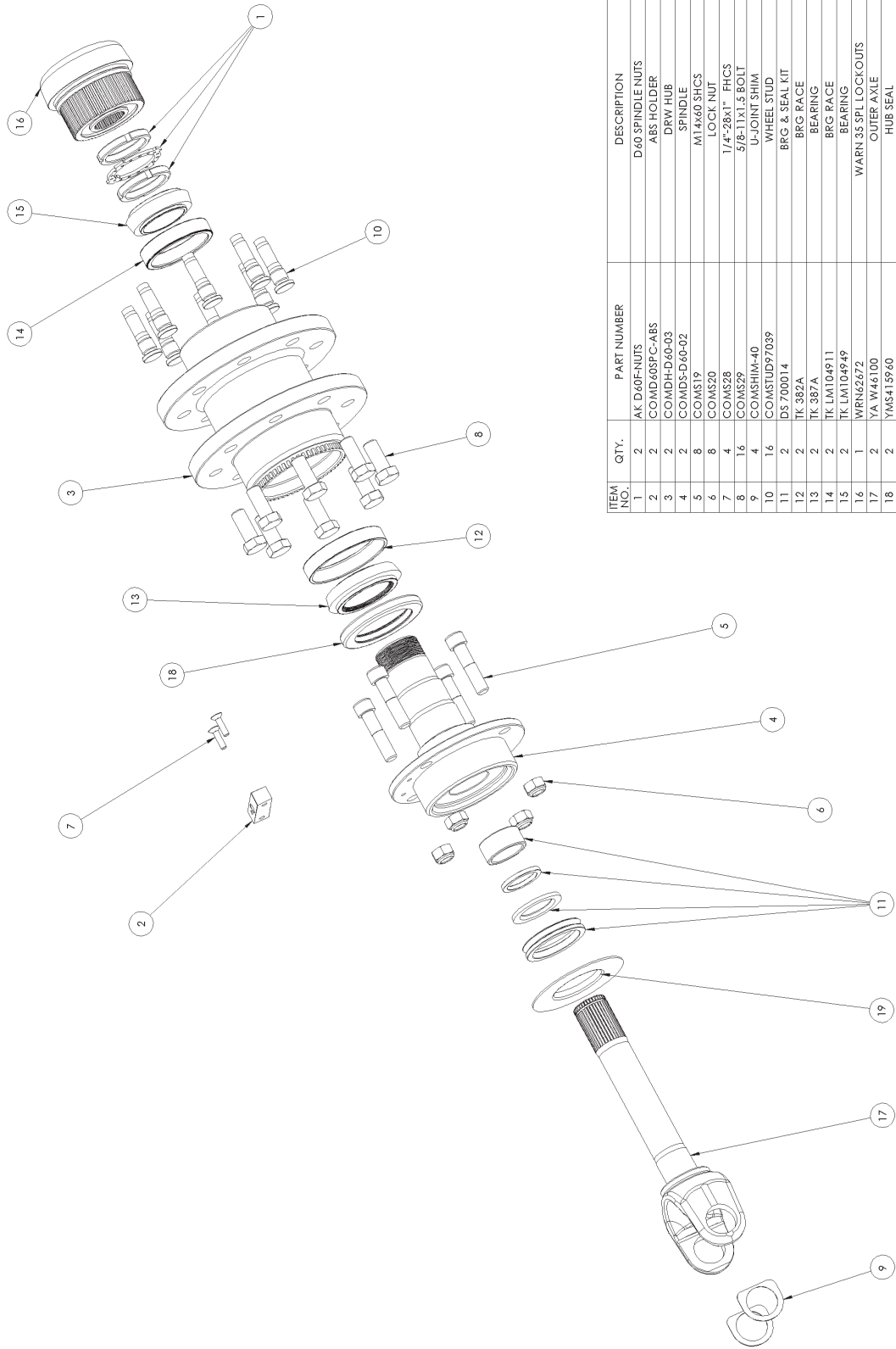
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### **INSTALLATION (cont)**

- Install brake caliper.
- Install wheels and torque nuts to factory specifications.
- Double check ALL bolts and nuts. All nuts and bolts should be checked again after 50 & 500 miles of use.
- Check wheel bearings after 500 miles of driving and adjust as necessary.



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	AK D60F-NUTS	D60 SPINDLE NUTS
2	2	COMD60SPC-ABS	ABS HOLDER
3	2	COMDH-D60-03	DRW HUB
4	2	COMDS-D60-02	SPINDLE
5	8	COMS19	M14x60 SHCS
6	8	COMS20	LOCK NUT
7	4	COMS28	1/4"-28X1" FHCS
8	16	COMS29	5/8"-11X1.5 BOLT
9	4	COMSHIM-40	U-JOINT SHIM
10	16	COMSTUD97039	WHEEL STUD
11	2	DS 7.00014	BRG & SEAL KIT
12	2	TK 382A	BRG RACE
13	2	TK 387A	BEARING
14	2	TK LM104911	BRG RACE
15	2	TK LM104949	BEARING
16	1	WRN62672	WARN 3S SPL LOCKOUTS
17	2	YA W46100	OUTER AXLE
18	2	YMS415960	HUB SEAL
19	2	YSPBF-01B	DUST SHIELD