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Form No. 539394

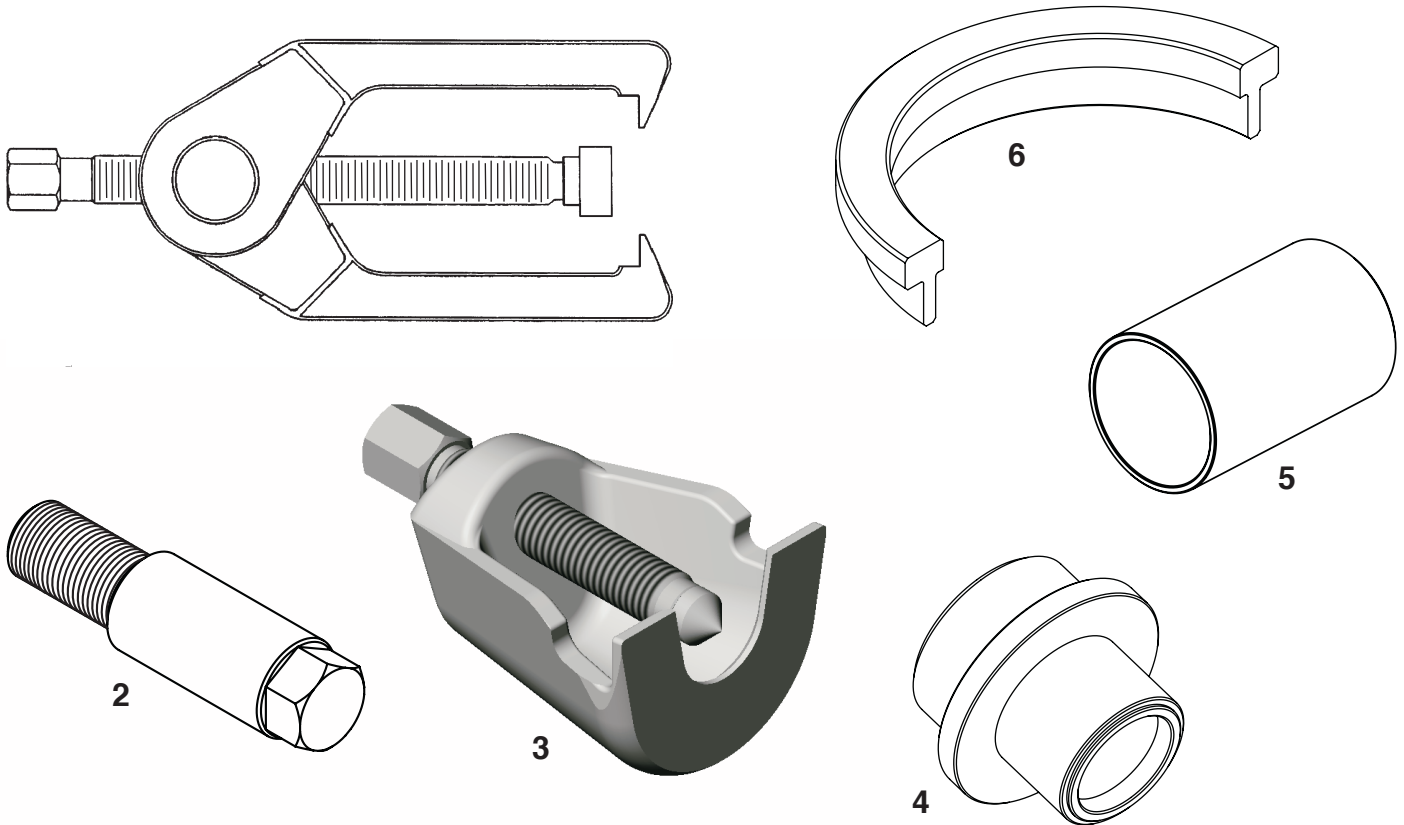
Parts List &
Operating Instructions
for:

6735

Dodge Sprinter Van Lower Ball Joint Service Tool Kit

Application : 2003—2007 Dodge 3/4-ton & 1-ton Sprinter Vans

Parts List



Item No.	Part No.	Qty.	Description
1	543035	1	Outer Tie Rod Remover / Separator
2	539884	2	Wheel Alignment Studs
3	539885	1	Lower Ball Joint Remover
4	539886	1	Driver
5	539887	1	Receiver
6	539888	2	Installing Rings

Sheet No. 1 of 2

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Safety Precautions



CAUTION : To prevent personal injury when using these tools,

- Wear eye protection that meets ANSI Z87.1 and OSHA standards.
- Before performing repairs, block the vehicle wheels to prevent movement of the vehicle.
- Check the final alignment of tooling and components before using the C-frame to exert pressure.

Ball Joint Removal

1. If applicable, remove the snap ring from the control arm or ball joint.
2. Position No. 521808 C-frame (not included), No. 539886 Driver, and No. 539887 Receiver on the lower ball joint as shown in Figure 1.
3. Tighten the forcing screw until it meets the receiver cup, and check the alignment of all tooling and components.
4. Continue tightening the forcing screw until the ball joint is removed.

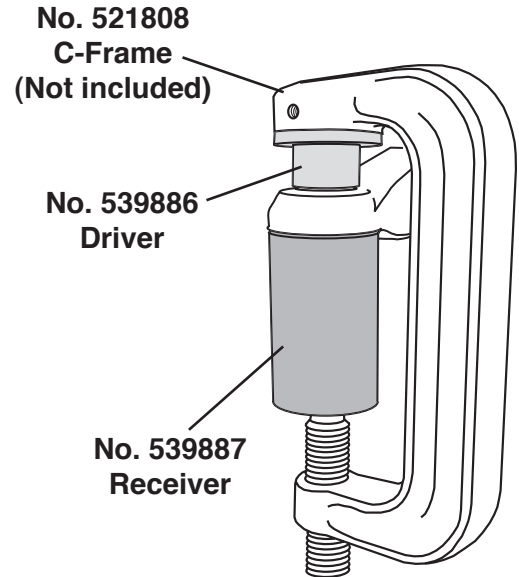


Figure 1

Ball Joint Installation

1. Clean the control arm and coat the ID with lubricant.
2. Place No. 539888 Installing Rings on the lower ball joint as shown in Figure 2.
3. Insert the ball joint with installing rings into No. 539887 Receiver.
4. Position the receiver on the knuckle as shown in Figure 3, along with No. 521808 C-frame (not included.)
5. Tighten the forcing screw until it meets the receiver cup, and check the alignment of all tooling and components.
6. Continue tightening the forcing screw until the ball joint is installed.
7. If applicable, install the snap ring on the control arm or ball joint.

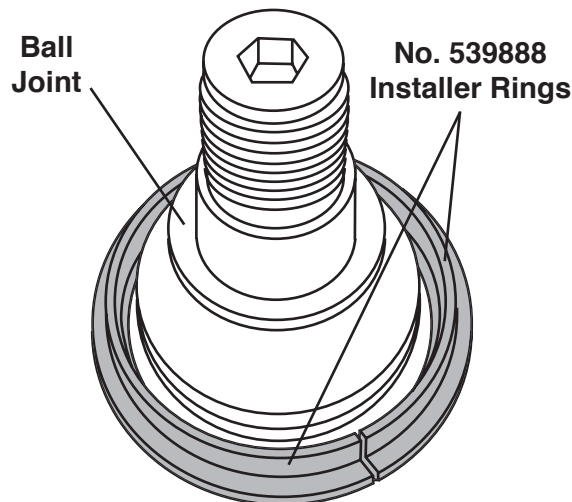


Figure 2

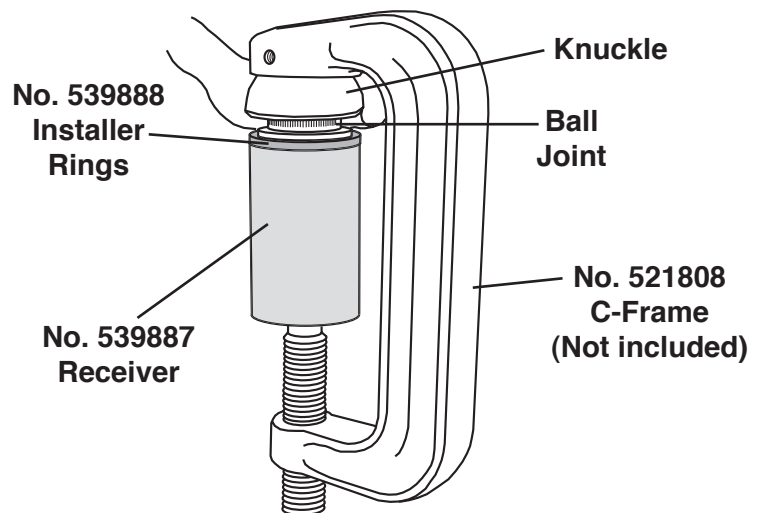


Figure 3

No. 543035 Outer Tie Rod Remover / Separator

1. Remove the outer tie rod retaining nut.
2. Position No. 543035 Outer Tie Rod Remover on the outer tie rod assembly as shown in Figure 4.
3. Tighten the forcing screw on the tool to separate the outer tie rod from the steering knuckle assembly.

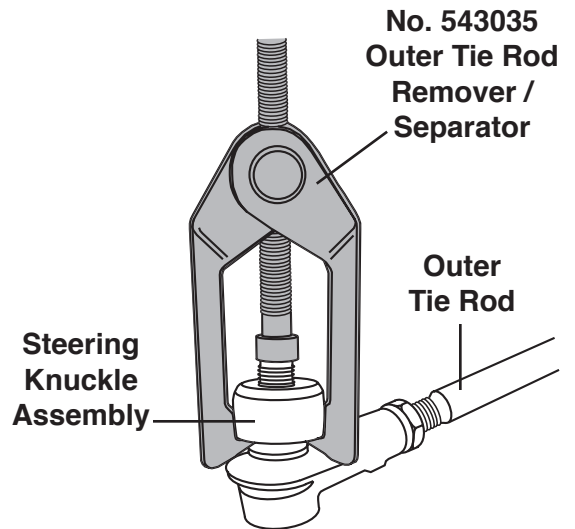


Figure 4

No. 539885 Lower Ball Joint Remover

1. Remove the lower ball joint retaining nut.
2. Position No. 539885 Lower Ball Joint Remover on the steering knuckle as shown in Figure 5.
3. Tighten the forcing screw on the tool to separate the lower ball joint from the steering knuckle assembly.

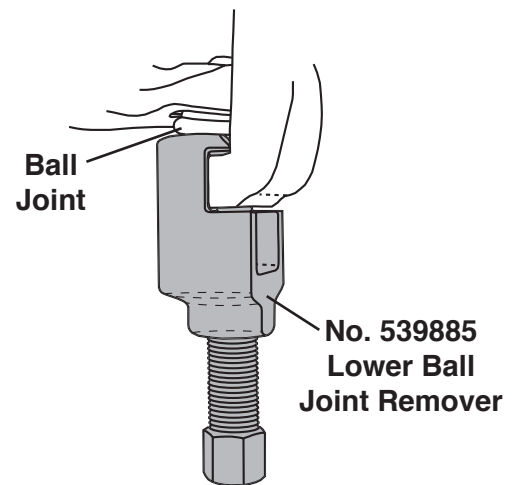


Figure 5

No. 539884 Wheel Alignment Studs

1. Install the No. 539884 Wheel Alignment Studs into the lug stud holes on the brake rotor / hub assembly. See Figure 6. This allows the wheel to slide on the studs when installing the wheel on the vehicle.

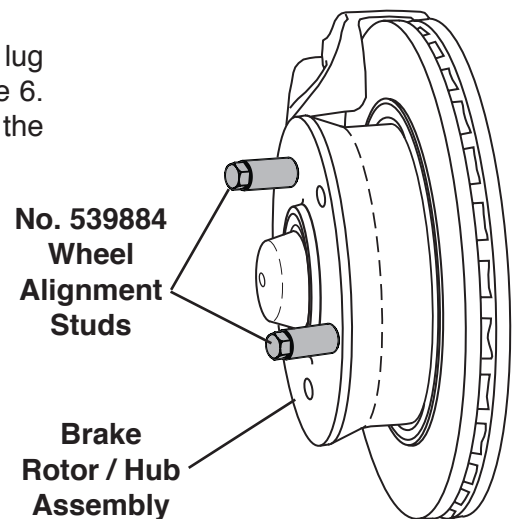


Figure 6