



## 991 Wheel Carrier Concentric Sealed Monoball Kit - Installation Instructions

Part #2260011

### Cars applicable:

991

### Parts list:

Quantity	Description
2	Rear Wheel Carrier Concentric Monoball Cartridge
1	Loctite 680 retaining compound 5 ml capsule



### Tools Required:

- Basic mechanic's tool set
- Solvent (aerosol brake cleaner or similar)
- Shop Press
- or-
- Elephant Racing bushing removal tool (P/N: 2260018) - **Recommended**

### Introduction –

Congratulations on your selection of the Elephant Racing 991 Rear Wheel Carrier Sealed Monoball Kit. These cartridges replace compliant factory rubber bushings with hardened-steel spherical bearings. Unlike Polyurethane bushings which bind and resist movement, true spherical bearings allow for free motion on multiple axes

Our fully sealed monoball cartridge kits feature maintenance free PTFE linings requiring no supplemental lubrication. We've designed in weather seals to keep dirt out and extend product life.

### Step-by-Step Installation -

The installation of this part can be accomplished with, or without the optional Elephant Racing removal and installation tool. Elephant Racing recommends use of this tool to ensure quick and easy removal and installation while minimizing any risk of damage.

#### With Elephant Racing Removal/Installation Tool (P/N: 2260018)

1 - Detach the lower control arm from the wheel upright. See an appropriate shop manual.

2 - Use the Elephant racing bushing removal tool to press out the factory bushing. Refer to the instructions included with the bushing removal tool.

Thoroughly clean the bushing bore with solvent, removing all oil/grease and dirt in preparation for the Loctite 680 Retaining Compound.

Wheel Carrier  
Bushing Location



4 - Install monoball cartridges into wheel carriers

Apply a thin film of the Loctite 680 to the entire outer diameter of the monoball cartridge and inner bore of the wheel carrier. Use the Elephant Racing Tool to set the monoball insert concentric with the bore. Press the monoball into place with the tool from the side closest to the rear of the vehicle until the flange is fully seated.

Note, do not press on the center bearing spacer. Doing so will damage the bearing. Instead, press only on the surface of the monoball housing.



5 - Re-attach the lower control arm to the wheel carrier.

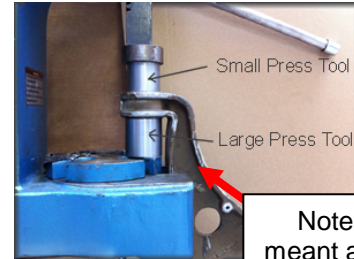
#### Without Elephant Racing Removal/Installation Tool

1 - Detach the shock and control arms from the wheel upright.  
Remove the wheel carrier from the car. Refer to an appropriate shop manual.

2 - Remove rubber bushing

Use a press to press the bushing out. Focus the force on the outer bushing sleeve using a cylindrical press tool. Support the wheel upright using a larger cylindrical press tool as shown.

Thoroughly clean the bushing bore with solvent, removing all oil/grease and dirt in preparation for the Loctite 680 Retaining Compound.



Note: This graphic is meant as a representation only and does not depict the actual parts

3 - Install monoball cartridges into wheel carriers

Apply a thin film of the Loctite 680 to the entire outer diameter of the monoball cartridge and inner bore of the wheel carrier. Use the press tools used from step 2 to press the monoball into place from the side closest to the rear of the vehicle until the flange is fully seated.

Note, do not press on the center bearing spacer. Doing so will damage the bearing. Instead, press only on the surface of the monoball housing.

4 - Install wheel carriers on the car.



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