

SERVICING YOUR EMF UPPER BALL JOINTS

Before you rebuild, have you tightened the Ball Joints? These products should last you a few years before having to rebuild so we have to ask this question first.

If at any time you start to feel play in your joints it could just be because the cap or ring loosened off. Try backing out the set screw on the side of the body and tightening the cap or ring. Put the set screw back in the side of the body. If that still didn't solve the problem and you still feel play then they do need to be rebuilt!

REBUILDING YOUR EMF UPPER BALL JOINTS



Do not remove the ball joint from the knuckle of the vehicle. The beauty of EMF Ball Joints is that rebuilding of the joint can be done while they are still in the truck!

Step 1 - Remove the Set Screw from the side of the Upper Ball Joint Housing. Do not lose this set screw! Set aside in a safe place as you will need to reuse it. If you did lose it, you need to find a 10-32 x 1/4" CONE point Set Screw or order a new one from us.



****IMPORTANT** Failure to remove this set screw first will result in damage to the cap threads and you will have a heck of a time getting this cap off, if at all.**



Step 2 – Using a Spanner Wrench, (After the Set screw is completely removed from the housing first) remove the cap, clean from any grease, dirt or debris and set aside. You will need to reuse this cap.



Step 3 – Remove the pin from the housing and set aside. You do not need this any more if you have a new rebuild kit.

	<p>Step 4 – Using a pick, find the end of the Spiral Lock and stick the pick under it to remove the Spiral Lock from the body. Clean any grease or dirt off and set aside, you will need this to rebuild.</p>
	<p>Step 5 – Remove the Internal Race from the Ball Joint Housing and set aside. All the pieces should now be out of the housing. Clean the housing of any grease, dirt and debris as best as you can.</p> <p>Now in Reverse, start rebuilding.</p> <ul style="list-style-type: none"> - First in goes the new Inner Race Cup. - Second goes the spiral lock you set aside. (Spread the spiral lock apart with your fingers and using the end of the pick press the end into the spiral lock groove and then follow along with your pick until the spiral lock is back in place). - Third, Put a little grease on the new pin with your finger and then insert it into the race. - Fourth, put the threaded cap on and tighten with the spanner wrench by hand until it's snug. - Fifth is to put a little dab of purple or blue thread locker on the set screw and screw it back into the body. - Last is to grease that puppy! If rebuilding all 4 Ball Joints at once – Grease the Lowers first and then the Uppers Second.

That's it! If you have any questions or problems at all, please feel free to text Clayton on our Tech Line at 403-999-0592 Day or Night and we will try to respond as quickly as we can.

Thank you for supporting a small business and running our EMF Products in your vehicles! [HTTP://EMFBALLJOINTS.COM](http://EMFBALLJOINTS.COM)



PO BOX 651, IRRICANA, ALBERTA T0M1B0 403-935-3540 403-999-0592 877-236-3545