



## REBUILDABLE UNIBALL

1. WHEN YOU FIRST OPEN THE BOX AND TAKE THE UNIBALL OUT - YES, THE PIN IS SUPPOSED TO MOVE FREELY FROM SIDE TO SIDE BUT NOT UP AND DOWN. EMF UNIBALLS ARE ASSEMBLED THIS WAY TO ALLOW FOR THE SMOOTHEST RIDE IN YOUR VEHICLE. THE PIN ONLY HAS A SMALL AMOUNT OF ASSEMBLY GREASE ON IT WHEN WE PUT THE PARTS TOGETHER SO ONCE YOU GREASE IT, IT WILL TIGHTEN UP AS WELL.
2. DO NOT FULLY GREASE UNTIL THEY ARE IN THE CONTROL ARM AND EVERYTHING IS ALL BOLTED UP.
3. YOU WILL HAVE TO MEASURE DOWN ON THE CONTROL ARM (CHECK THE MEASUREMENT ON YOUR UNIBALL TO THE CENTER OF THE SET SCREW TO CONFIRM THE DISTANCE) AND DRILL A SMALL HOLE USING A 13/64 (#7) DRILL BIT INTO THE CONTROL ARM TO ALLOW FOR ACCESS TO THE SET SCREW ON THE UNIBALL SO YOU CAN REMOVE THE SET SCREW IF YOU EVER NEED TO. THIS STEP IS A PAIN, WE KNOW! BUT YOU WON'T HAVE TO PRESS THE UNIBALL OUT OF THE CONTROL ARM AGAIN IF YOU FOLLOW THESE STEPS AND IT MAKES LIFE A LOT EASIER WHEN YOU CAN ACCESS THE SET SCREW HOLE FROM THE CONTROL ARM.
4. REMOVE THE SET SCREW FROM THE UNIBALL BODY FIRST BEFORE PRESSING IT INTO THE CONTROL ARM (DO NOT LOSE THE SET SCREW! IF YOU DO, IT IS A 10/32 X 1/4" CONE POINT SET SCREW). MAKE SURE YOU LINE YOUR SET SCREW UP WITH THE HOLE YOU JUST DRILLED. ONCE THE UNIBALL IS PRESSED IN, REPLACE THE SET SCREW.
5. ONCE EVERYTHING IS ALL INSTALLED AND TIED UP, GREASE THE UNIBALL. YOU DON'T NEED TO GREASE IT UNTIL YOU CAN'T POSSIBLY PUMP ANY MORE GREASE INTO IT, A FEW PUMPS SHOULD SUFFICE OR YOU RISK HYDROLOCKING IT AND IT WON'T MOVE WITHOUT A LOT OF FORCE. GREASE IT, LAP THE PIN BACK AND FORTH TO SPREAD THE GREASE AROUND – THE PIN WILL START TO FREE UP AS THE GREASE MOVES AROUND THE UNIBALL. IF YOU ACCIDENTALLY PUT TOO MUCH GREASE IN IT, TAKE OUT THE GREASE FITTING AND RELEASE SOME PRESSURE/GREASE AND THEN REPLACE THE GREASE FITTING ONCE IT FEELS SMOOTHER AND EASIER TO MOVE. WE RECOMMEND A HIGHER QUALITY 5% MOLY GREASE.
6. THERE ARE NO DUST BOOTS FOR THE EMF UNIBALLS. WE HAVEN'T HAD A CHANCE TO FIND ONE THAT FITS OR GET ANY MADE. WE PRECISION MACHINE EVERY PIECE SO YOU SHOULDN'T HAVE TO WORRY ABOUT MUCH GETTING INTO THE UNIBALL ANYWAY. KEEP IT GREASED AND YOU SHOULD BE GOOD TO GO FOR YEARS! WE HAVE CUSTOMERS RUNNING EMF UNIBALLS WITHOUT DUST BOOTS FOR 4+ YEARS NOW AND THEY HAVE BEEN VERY HAPPY WITH THEM.
7. EMF UNIBALLS ARE REBUILDABLE AND SERVICEABLE! IF THEY EVER FEEL LOOSE, BACK OUT THE SET SCREW AND TIGHTEN THE CAP. YOU CAN DO THIS WITH A SPANNER WRENCH OR A PIPE WRENCH IF YOU LIKE. REPLACE THE SET SCREW. IF YOU GET TO THE POINT WHERE THEY ARE TIGHTENED AS MUCH AS YOU CAN AND THERE'S UP AND DOWN PLAY, THIS IS WHEN THEY HAVE TO BE REBUILT. YOU CAN PURCHASE A REBUILD KIT THROUGH EMF ANY TIME. IT CONSISTS OF THE INNER RACES, PIN, SPIRAL LOCK, GREASE FITTING AND SET SCREW.

*THANK YOU FOR YOUR PURCHASE AND SUPPORTING OUR SMALL CANADIAN BUSINESS!*

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