

Fitting an Orange 'Press Fit' pivot kit

Part No: P629spa | **Models:** 224-evolution, Alpine 160.

A step-by-step procedure to replace press fit bearing kit on 224-evo and Alpine 160 models.

Note: This is not the procedure for Horiz-Hold welded pivot models (e.g. Five, Patriot etc)

Tools required:
 5mm Allen key
 Rubber mallet
 19mm Socket or similar
 Two pieces of wood

Removing the swingarm



▲ **Step 1:** Ensure the bike is clean before undergoing maintenance work.



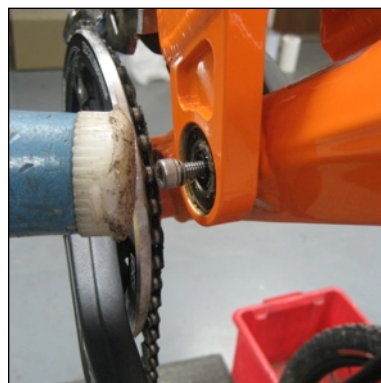
▲ **Step 2:** Remove all components attached to the swingarm.



▲ **Step 3:** Secure padding between the swingarm and seat-tube to protect paint-work.



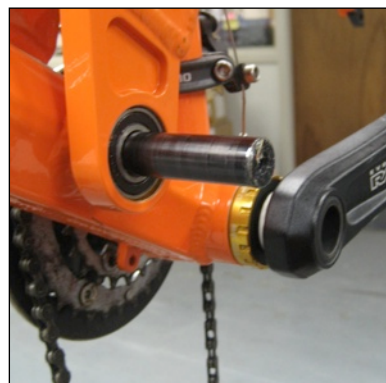
▲ **Step 4:** Using a 5mm Allen key, remove the bearing caps to expose the bearings.



▲ **Step 5:** Insert the 5mm Allen bolt back into the axle, ensure the bolt is in a sufficient number of turns to not damage the threads. Tap the bolt head to start moving the axle through the frame.



▲ **Step 6:** When the bolt head is out of reach use your Allen key to continue tapping the axle.



▲ **Step 7:** Keep drifting the axle through the frame until completely removed.



▲ **Step 8:** Remove swingarm, being careful not to lose the washers inside the swingarm.

Removing the the bearings



▲ **Step 9:** Find two pieces of similarly sized wood of equal depth.



▲ **Step 10:** Cover wood with a cloth to protect paint-work. Rest swingarm appropriately so the weld is securely on one piece and the bottom of the bearing clamp on the other.



▲ **Step 11:** Position a socket and extension over the inside of the bearing.



◀ **Step 12:** Hit the socket to punch the bearing out of the swingarm, making sure the swingarm is suitably positioned on the blocks to allow its removal. Repeat to remove other bearing.

Fitting the bearings and swingarm



▲ **Step 13:** Clean bearing surface and add a small film of bearing lock.



▲ **Step 14:** Position bearing above surface. Tap gently, ensuring it sits squarely.



▲ **Step 15:** Tap until the bearing is completely inside its housing.



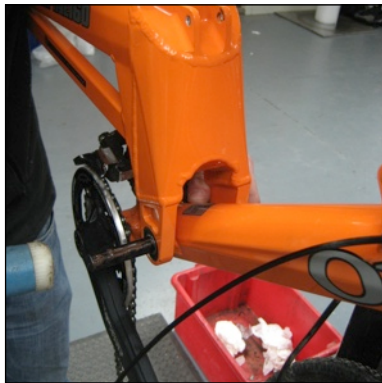
▲ **Step 16:** Apply copper grease to the pivot axle and tap through the drive-side bearing.



▲ **Step 17:** Hit the axle through far enough to seat the first washer on the inside of the bearing.



▲ **Step 18:** Apply grease to the inside of each bearing so the washers stick to the surface during reassembly.



▲ **Step 19:** Position swingarm in place and begin tapping the axle through the frame.



▲ **Step 20:** Use your finger as a guide to ensure the swingarm is lined up as you tap the axle through.



▲ **Step 21:** Keep tapping the axle through the frame until it is finally in place.



▲ **Step 22:** Replace bearing caps. As tightened, they will seat any bearing not already fully set. If it creaks or cracks, this noise will be the bearing settling in position.



▲ **Step 23:** Job done!! Reassemble your bike, check everything is tight, and then go hit the trails for more hassle free cycling.