

## 1.2 REPLACING AXLES AND BEARINGS

Follow the procedures below to remove and refit axles and bearings for:

- Front and rear **Ellipse** wheels
- Front **Cosmic Carbone SL** wheels

### Tools needed

- 1 x 5 mm Allen wrench
- 1 hub wrench M40123
- Bearing press kit M40373
- Bearing press kit M40120 (Cosmic Carbone SL)

### Removing:

1. Remove the fork support nut on the adjustment nut side. This is clipped to the axle end;
2. Place the 5 mm Allen wrench into the end of the axle, at the opposite side to the adjustment nut;
3. Whilst maintaining the adjustment nut using the hub wrench M40123, unscrew the axle by turning the 5 mm Allen wrench counter-clockwise;
4. Remove the axle;
5. Use the bearing press kit to remove the bearings.



### Refitting:

1. Use the bearing press kit to fit the new bearings:
  - M40373: for front and rear **Ellipse** wheels
  - M40119: for front **Cosmic Carbone SL** wheels
2. Introduce the axle at the «C» side of the “Mavic” inscription on the hub label;
3. Place the adjustment nut on the axle and keep it in place using the hub wrench M40123;
4. Place the 5 mm Allen wrench into the axle at the opposite side to the adjustment nut and turn it clockwise;
5. Continue screwing until it touches the bearing and unscrew it \_ a turn (except for **Ellipse** wheels);
6. Fit the wheel into the frame or fork, tighten the fixing nuts (torque: 40 Nm max) for **Ellipse** wheels, or the quick release skewer for **Cosmic Carbone SL** wheels, and adjust bearing play using the hub wrench M40123 (see procedure page 18).

