

Q400/Q500M

Suspension Adjustments



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 1

- Use a jack to lift the wheelchair so that the drive wheels can be removed.



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 2

- Use a 16mm socket to remove the drive wheel bolts.



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 2.....cont.

- Use a 16mm socket to remove the drive wheel bolts.



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 3

- Drive wheel removed.



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 4

- Use a 13mm spanner to remove tie down bracket main securing bolt .



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 5

- When removing the bolt take care not to lose the spacer positioned behind the bracket.



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 6

- Remove the main shroud.

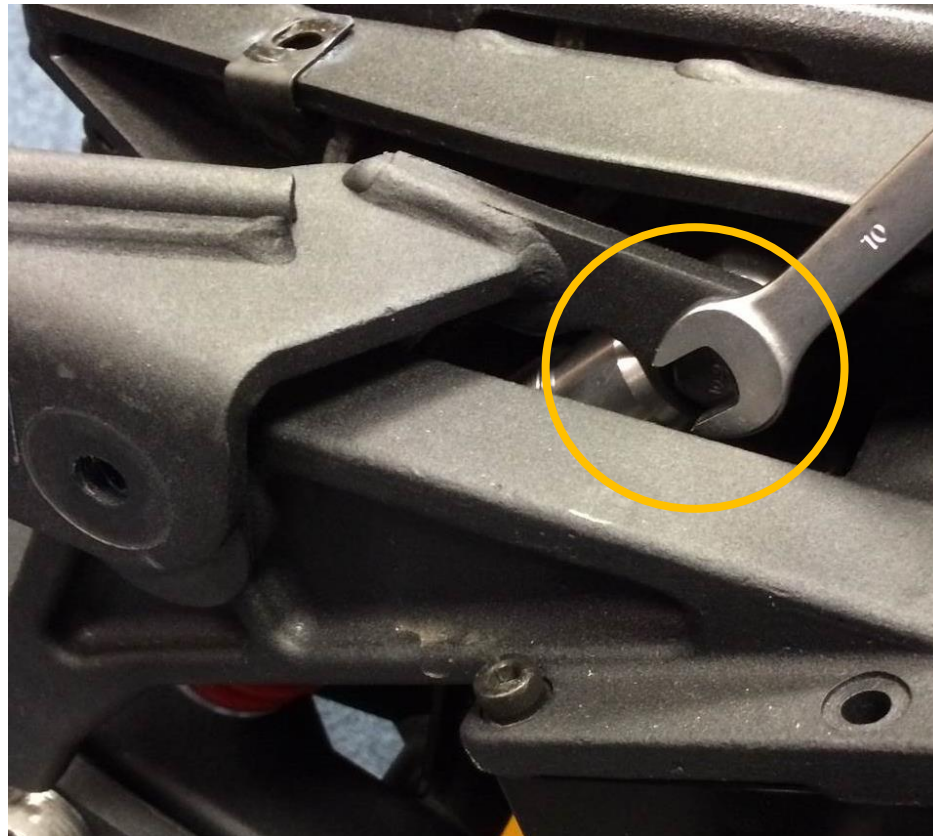


Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 7

- Use a 10mm Allen key to loosen the 2nd tie down bracket. The motor will need to be removed before the bolt can be completely removed.



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 8

- Remove the motor and the tie down bracket.

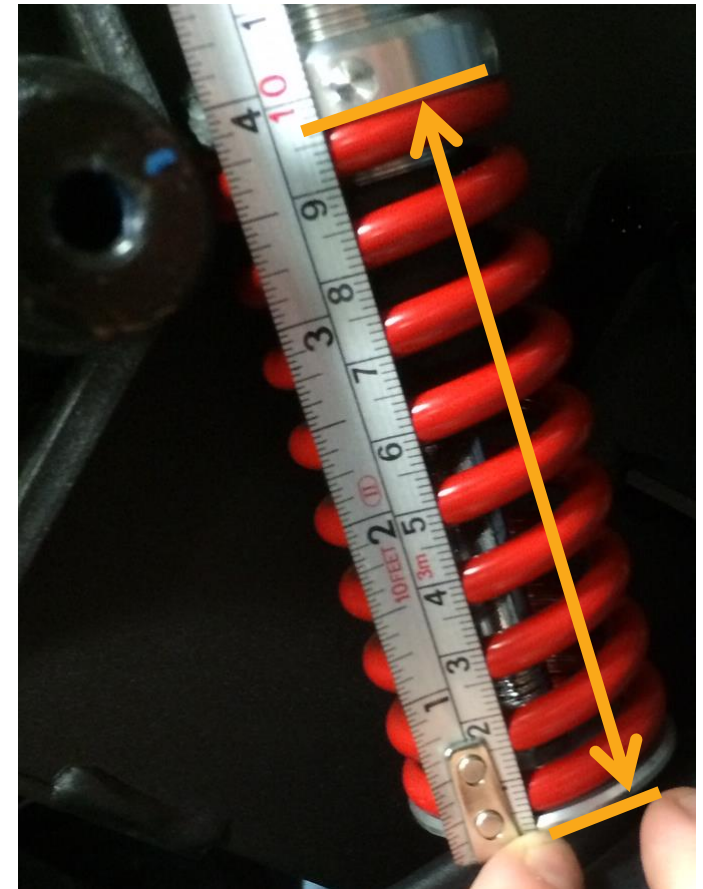


Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 9

- Check the measurement on the suspension unit. This should be set at 94mm prior to adjustment.
- Measure this from the bottom of the suspension (under the metal) to the top of the red spring (bottom of the top metal)

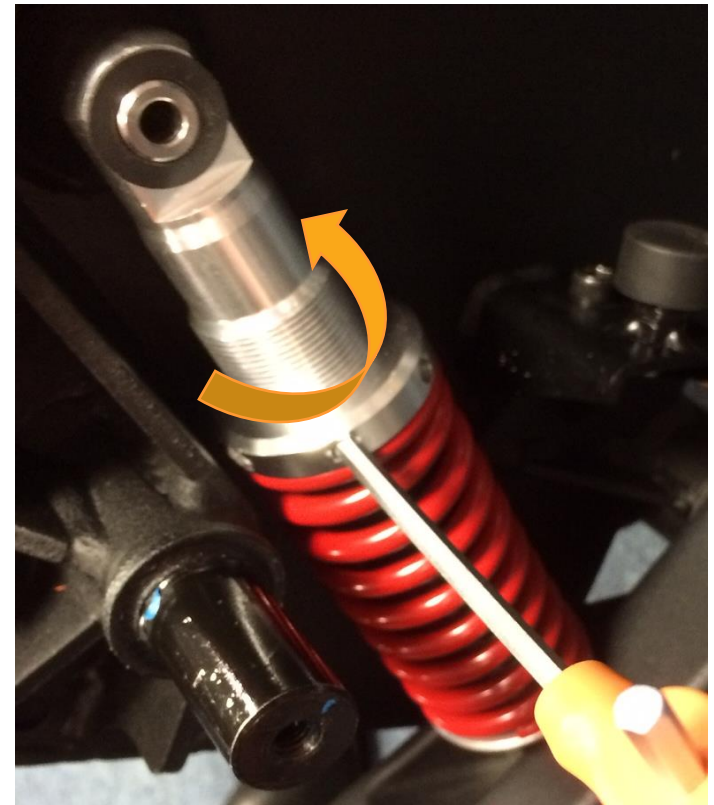


Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 10

- Use an Allen key to turn the adjustment bezel anti-clockwise. This will move the bezel up the thread and reduce the tension in the unit.
- **Adjust the length to a maximum of 103mm. The closer to this setting the softer the suspension will become and allow more front and rear castor arm articulation.**
- **Ensure there is still tension of the spring.**



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 13

- Replace the motor and the tie down bracket. Remember to place the spacer in between the motor mount and the tie down bracket.



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 14

- Replace the drive wheel and test the chair.



Q400/Q500M

SUSPENSION ADJUSTMENTS

Step 15

- Once all adjustments have been made, look at the position of the motor nose in relation to the anti pitch bar. There needs to be a 2-3mm gap showing so that the chair does not rub and make noise.

