

**THIS TECHNICAL MANUAL HAS BEEN DEVELOPED FOR AND
INTENDED TO BE USED BY A QUALIFIED TECHNICIAN
WORKING FOR AN AUTHORIZED KI MOBILITY DEALER.**

Tyke

TECHNICAL
MANUAL





WARNING: Repairs and adjustments not made by a qualified technician working for an authorized Ki Mobility Dealer can result in poor performance or failure of the device which may cause serious injury or death.

This technical manual is designed to aid in the different procedures that may be needed for the Tyke seating system. This technical manual does not replace, but aids the user instruction manual, adjustment guides and instructions. The procedures shown in this technical manual should only be performed by an Assistive Technology Practitioner (ATP) or clinical professional trained to do wheelchair repairs, adjustments and retrofits.

Additional information can be found in the Tyke User Instruction Manual. The user instruction manual can be found on the Ki Mobility website.

If you have any questions or concerns about any aspect of this wheelchair, this manual, or the service provided by us or your retail supplier, please do not hesitate to contact us by telephone at:

715-254-0991

In writing at:

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5201 Woodward Drive
Stevens Point, WI 54481
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Via email at:

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Tools

Please see the list below to identify the tools needed throughout this tech manual. Always check tools to ensure the ends are not stripped and that the tool can perform it's function properly without damaging any parts or hardware on the chair.

Tools Needed		
• 2.5mm Allen Wrench	• Two 8mm Wrenches	• 6mm Allen Wrench
• 3mm Allen Wrench	• Two 10mm Wrenches	• Utility blade
• 4mm Allen Wrench	• 13mm Wrench	• Torque Wrench
• 5mm Allen Wrench	• 17mm Wrench	• 24mm Wrench
• 5.5mm Allen Wrench	• 19mm Wrench	• Phillips Screwdriver

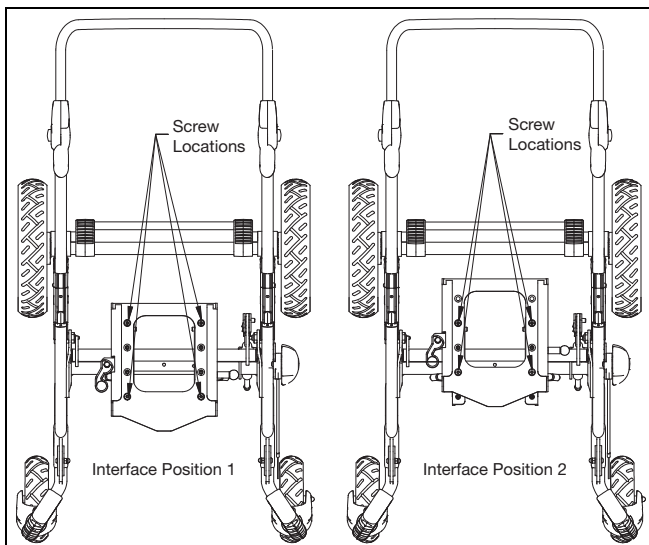
Adapter Plate Direction and Center of Gravity

x:panda Facing Forward

NOTE: Screws that secure the interface plate (called out in image below) must be tightened to 80 in./lbs.

This activity requires a 6mm Allen wrench.

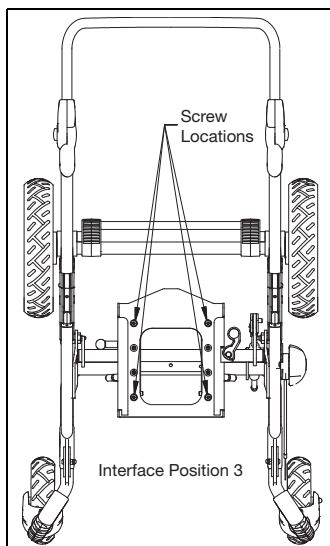
1. Place adapter plate in Position 1 if seat depth of x:panda is less than 9.75".
2. Place adapter plate in Position 2 if seat depth of x:panda is greater than 9.75".



x:panda Infant Facing Rearward

NOTE: Screws that secure the interface plate (called out in image below) must be tightened to 80 in./lbs.

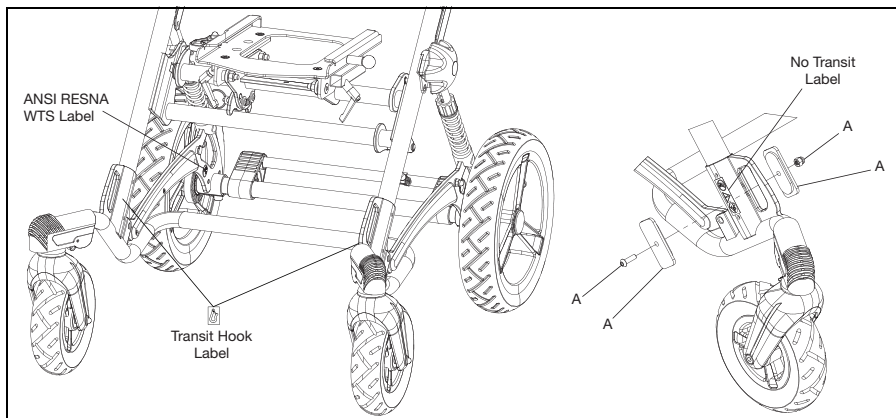
1. Reverse the plate and place in Position 3 if seat depth of x:panda is less than 9.75". Use of footplate is not allowed in the reverse configuration. See the Forward to Reverse Seating section for additional important labeling information.



Tyke Seating System Direction

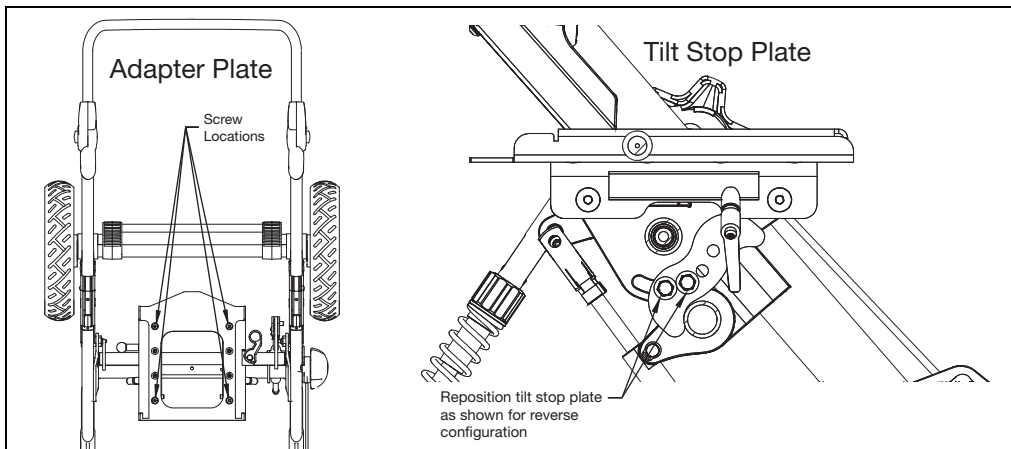
NOTE: Transit labeling must be corrected via a labeling kit from Ki Mobility Customer Service when the seating direction is changed. Reversing is only allowed with R82 x:panda and x:panda Shape size infant.

- A Tyke altered **TO** reverse seating configuration **MUST** have (Instructions, stickers and transit covers are available via Parts Kit #120802):
 1. Transit Loop Location Stickers Removed
 2. ANSI RESNA WC-19 Sticker Removed
 3. No Transit Sticker placed on the chair
 4. Transit Covers (A) installed
- A Tyke altered **FROM** reverse seating **MUST** have (Labels and instructions are available via Parts Kit #120801):
 1. Transit Loop Location Stickers placed on the chair
 2. ANSI RESNA WC-19 Sticker placed on the chair
 3. No Transit Sticker Removed
 4. Transit Covers (A) Removed



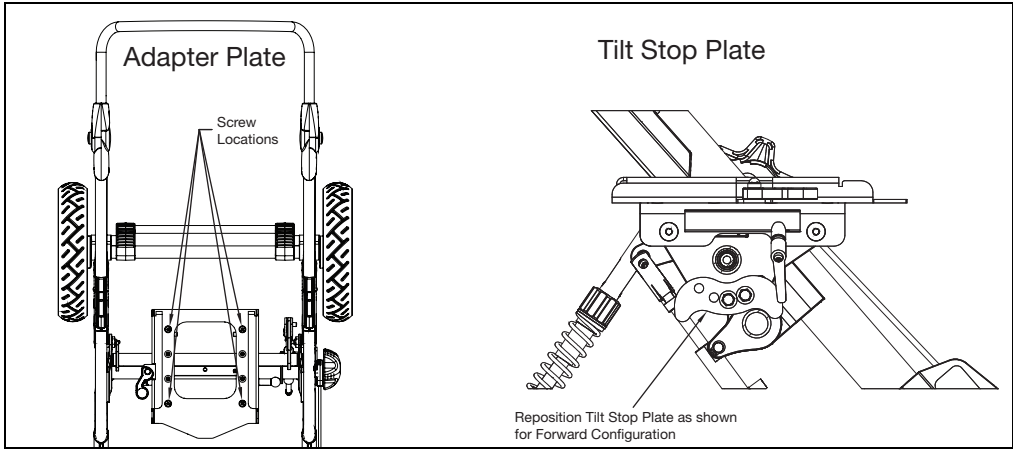
An x:panda shape size infant may be mounted in a reverse (parent) or forward facing direction on a Tyke Size 1 mobility base. The direction of the Adapter Plate and Tilt Stop plate tilt must be reversed according to the drawings below.

Reverse (Parent) Facing



Tyke Seating System Direction

Forward Facing

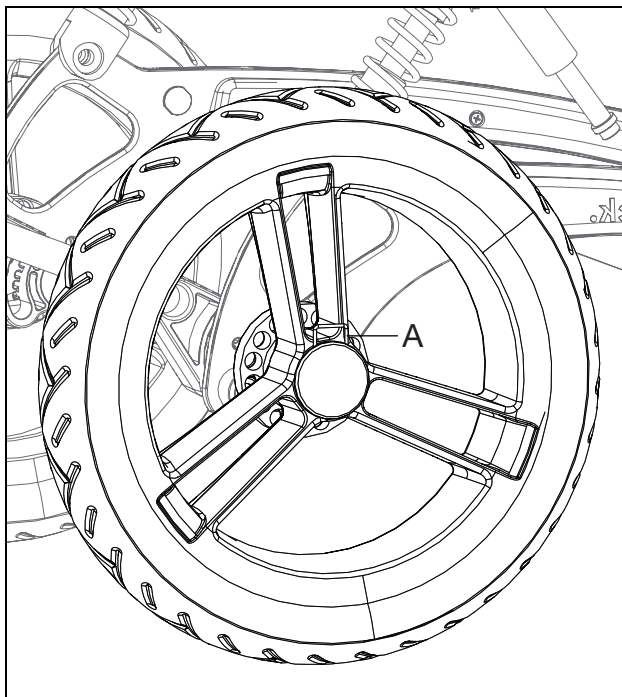


Test the Tyke 1 tilt mechanism to confirm the x:panda shape size 1 infant seating system will tilt approximately 35 degrees posterior and 0 degrees anterior.

Replacing Rear Wheels

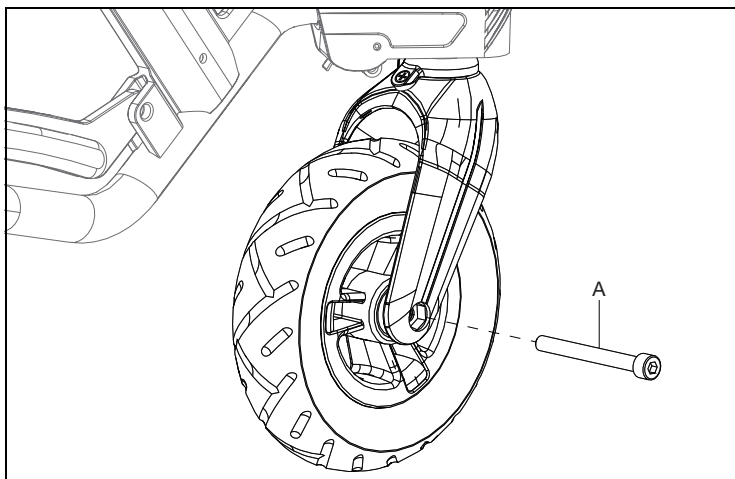
Rotate rear wheel until release clip faces upward.

1. Lock rear wheels.
2. Press release clip (A) down.
3. Pull rear wheel of the axle.



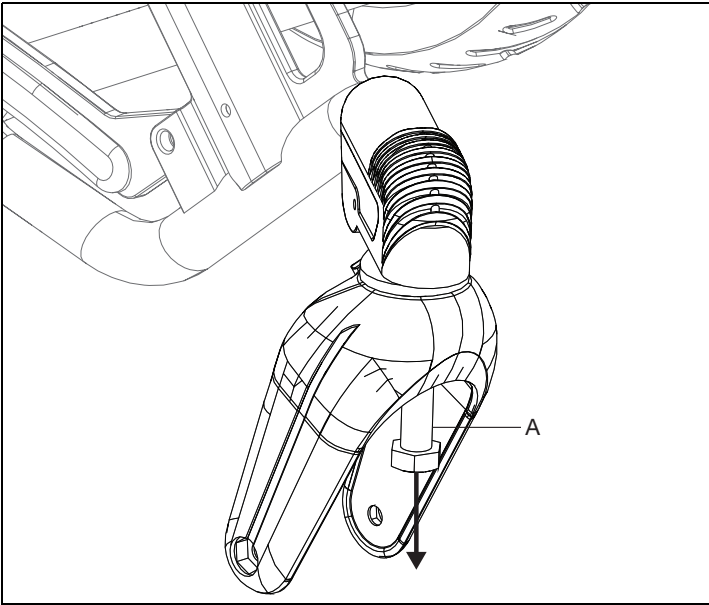
Replacing Front Wheels

1. Place frame on it's side.
2. Remove axle with Allen wrench.
3. Remove and replace front caster wheel.
4. Reinstall caster wheel axle.



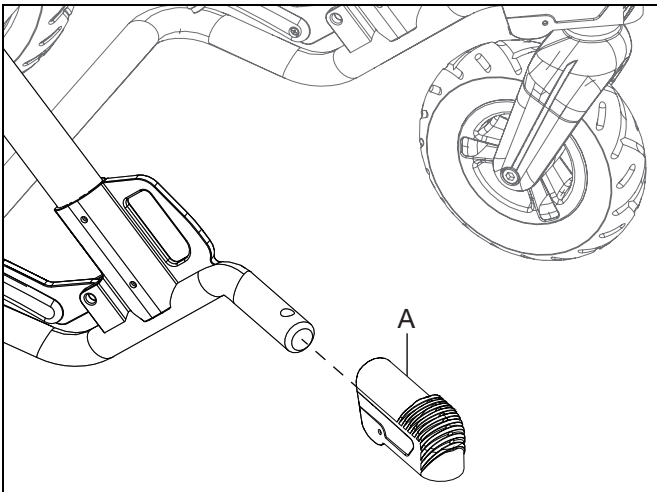
Replacing Caster Fork

1. Remove the caster wheel.
2. Loosen and remove the caster fork mounting screw.
3. Replace caster fork and reinstall caster fork mounting screw.



Replacing Swivel Lock

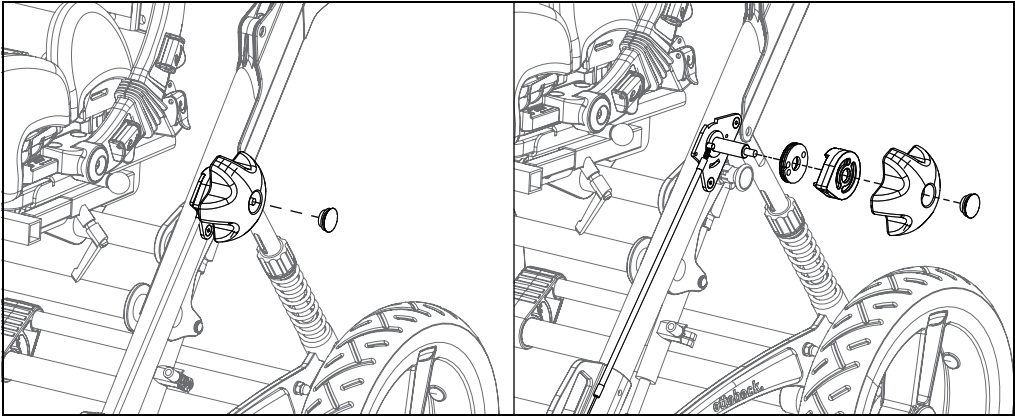
1. Remove caster wheel and caster fork.
2. Slide swivel lock (A) off the front end of the frame and replace.
3. Reinstall the caster fork and front caster.



Replacing the Tilt Knob Assembly

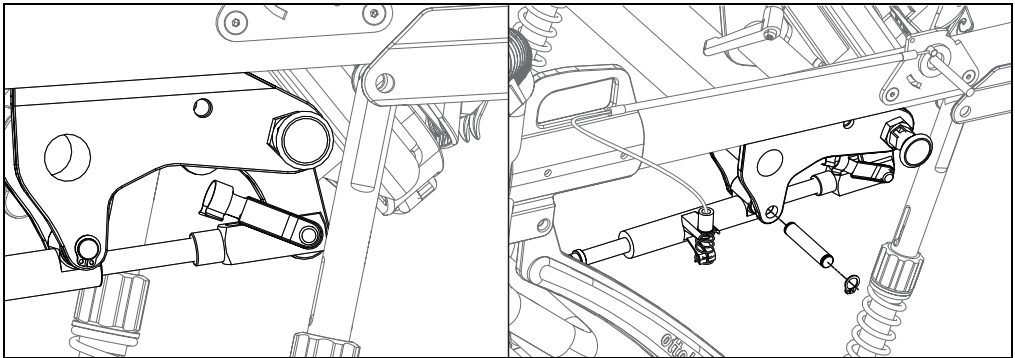
1. Using a sharpe edge, carefully pry up the cover cap.
2. Remove internal nut and washer retaining the tilt knob.
3. Remove knob and cable retainer.
4. Slide off cable retainer and cable the internal bushing.
5. Reverse process with new components.
6. Push out the internal cable retainer disk from the outer portion and disconnect cable.

It may be necessary to disconnect the cable at the other end to more easily remove / install the cable in the cable retainer. Squeeze the two black tabs together and remove the cable end from the rear bracket. Note the position of the spring between the tabs before doing so.



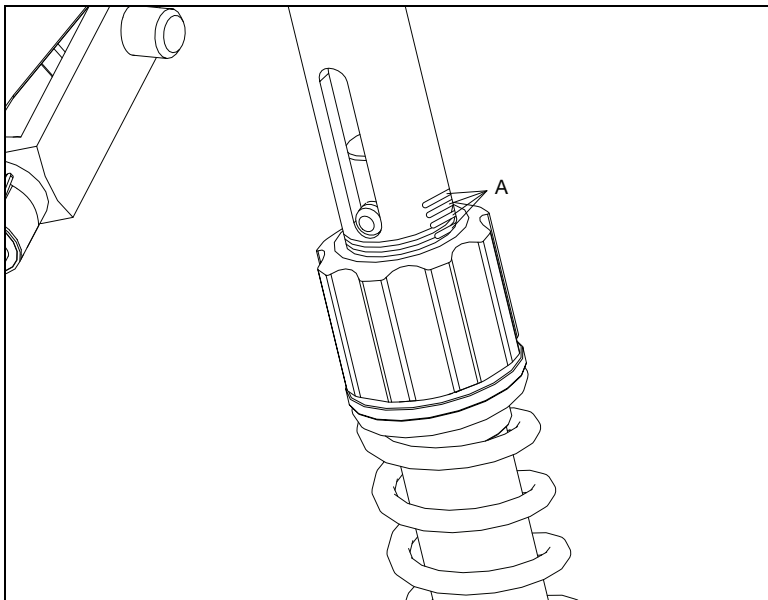
Replacing the Tilt Mechanism

1. Disassemble the tilt knob and disconnect cable from the cable retainer.
2. Release clasm from the upper end of the tilt mechanism and remove.
3. Push off an E-clip on one side of the tilt mechanism pivot mount.
4. Push pivot bushing out of the pivot mount to remove tilt mechanism.
5. Install new tilt mechanism in opposite order.



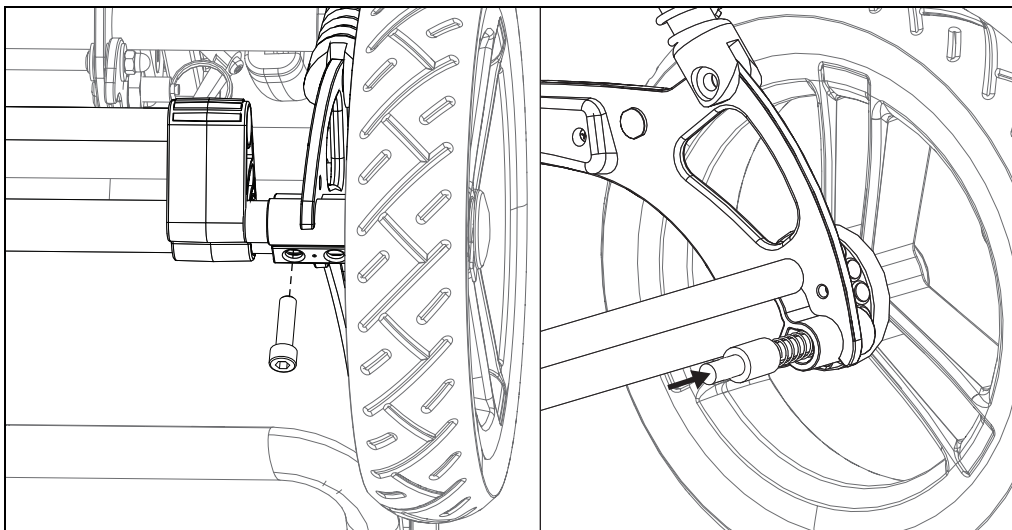
Adjusting the Rear Suspension

1. Twist the adjustment rings on both sides of the frame equally. Clockwise will cause the suspension to be more rigid. Counter-clockwise will cause the suspension to be more soft.
2. Use markings (A) on the frame to confirm suspension settings are the same.



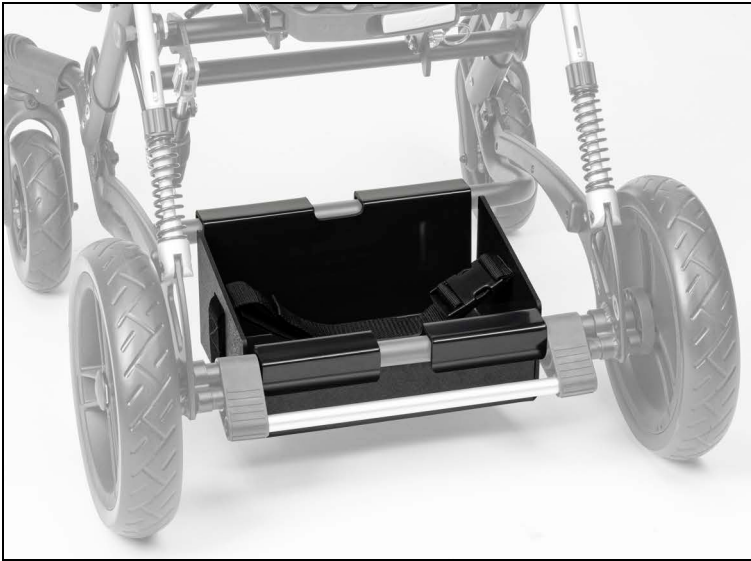
Replacing the Wheel Lock

1. Turn the Tyke over and place sideways against an object such as a wall.
2. Remove the frame bolt and rear axle.
3. Pull the axle tube out of the frame and angle slightly.
4. Slide wheel lock bar and mounts off the axle tube.
5. Remove wheel lock pins.
6. Reverse process to install new components. The wheel lock pins contain springs so the entire assembly against an object will aid in reassembly.



Storage Tray

1. Center tray. Center tray requires no tools to install.



Ventilator Mount (Pulmonetics LTV)

1. Open mounting hardware and mount vertically and in the center of the rear cross tube. If using a storage tray, make sure to center to ventilator mount.



O2 Holder

1. Mount frame hardware to frame.
2. Mount adapter hardware to the frame hardware at desired vertical angle.
3. Mount O2 holder to adapter hardware and set height and position of the O2 holder.





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