1. CHECKING HEAD SIZE
- Wrap a cloth measuring tape around the circumference of head
- Measure with tape approximately 1" above the eyebrows
- Record measurement
- Use Riddell's Circumference Guide to select helmet size
- Player measurements and helmet sizes will differ

2. PUTTING ON HELMET
- Ensure helmet is the correct size
- Hold helmet with thumbs over bottom of S-PADS
- Place index fingers into ear holes
- Pull helmet down into position

3. ADJUSTING HELMET HEIGHT
- Inflate Crown Pad with:
  - Riddell inflation bulb
  - Well-lubricated Riddell inflation needle

- Use glycerin to lubricate inflation needle
  - Do not use petroleum-based lubricants or saliva as they can weaken valve material

- Apply glycerin to the inflation needle
  - Use Riddell's specially tipped glycerin bottle

- Insert Riddell inflation needle
- Pump Riddell inflation bulb to achieve proper fit
- Remove Riddell inflation needle

- Front of helmet should be approximately 1" above the player’s eyebrows

4. ADJUSTING BACK/NECK/SIDE LINER
- Inflate and/or deflate Back/Neck/Side Liner
- Adjust back/neck/side liner at rear inflation point
- Inflate for snug, comfortable fit front-to-back and side-to-side

5. ADJUSTING S-PADS (FACE PADS)
- Inflate and/or deflating S-Pads
- Do not exceed recommended inflation pressure
- If non-inflatable S-Pads feel loose, change to a thinner size
- If non-inflatable S-Pads feel tight, change to a thicker size
- Inflate S-Pads with a Riddell inflation bulb and a well-lubricated Riddell inflation needle
- Insert needle into valve at exterior jaw flap

6. CHECKING FOR PROPER FIT
- The skin of the forehead should move with the front pad
  - There should be no room for twisting
- Inflate helmet liners if helmet slides easily over the forehead or try a smaller helmet
• Lift helmet up and off the head
• Press thumbs into bottom of S-PADS
• Place an index finger into left and right ear holes
• Unbuckle chin strap from bottom snaps

8. TAKING OFF HELMET

7. ADJUSTING CHIN STRAP

• Revolution Speed helmet includes:
  - Soft or hard chin strap with Mid hook up
  - Buckle top of chin strap into the snaps above ear holes
  - Bring chin strap underneath face mask
  - Buckle bottom of chin strap into snaps below ear holes
  - Cup should be centered and snug over chin
  - Adjust chin strap until cup is firmly pressed against chin
  - When buckled, helmet should feel comfortable and snug
  - Chin straps are available in multiple sizes

• Front of helmet should be approximately 1" above the player's eyebrows
• To avoid injury and discomfort, never wear a helmet positioned too low or too high
• Ensure a proper fit:
  - Interlock hands on top of helmet and press down
  - Player should feel pressure on crown of head, not brow
  - Pressure on brow indicates improper fit

8. TAKING OFF HELMET

(a) Cleaning and Polishing Helmets

• Use Riddell helmet cleaner or wax
  - Available for regular maintenance
• Catalog #27503 Helmet Care Kit
• Read instructions carefully
• Keep away from children
• Commercial cleansers and polishes may damage the helmet shell or liner

(b) Painting Revolution Speed Systems

• Use only Riddell paint systems
  - Commercial paints may damage youth helmets’ “Kra-Lite II” polycarbonate-alloyed polymer material and youth helmet’s ABS plastic
  - Failure to comply will destroy the shell’s integrity and void warranty

(c) Service Instructions

If the air cells do not inflate, examine for the following conditions:
1) The valve is missing:
  - May replace it with a new valve. This is done by lubricating the new valve with water and inserting it into the receptor with the injection needle.
  - Push new valve up into place
2) The valve is defective:
  - Remove the rubber valve with needle nose pliers or Riddell T-nut Extractor Tool (part #27754) and push out straight out. Replace with new valve and new valve cap
3) The cell is defective:
  - Refer to the instructions below to remove and replace inflatable liners and pads

(d) Service Instructions for Comfort Fit Overliner:

The Overliner should be hand washed in a mild detergent and air dried.

(e) Removing the Comfort Fit Overliner

• Detach Crown pad from Velcro on interior shell
• Detach Velcro fasteners at lower rear of helmet, between lower Back liner pad and interior shell
• Gently guide Side liner pads from right and left sleeves of Overliner

(f) Replacing the Comfort Fit Overliner

• Guide Side liner pads into right and left sleeves of Overliner
• Attach two rear flaps of Overliner to Velcro fasteners located on backside of lower Back liner pad, behind the Riddell nameplate
• Bring Side liner pads into place above ear holes
• Secure the left and right ends of Side liner against Front liner pad
• Attach two front flaps of Overliner to Velcro located on front-side of Crown pad
• Slide flaps between Crown pad and interior shell and connect with Velcro
• Ensure Overliner fits snug over BACK/NECK/SIDE liner and Crown pad

(g) Removing the Back/Neck/Side Liner

• Gently remove valve cap from rear of exterior shell
• Invert helmet and gently wedge fingers under Back pad
• Place fingers around circular valve retainer
• Ease valve from interior shell
• Slide the Riddell nameplate from rear of helmet
• Pull liner from helmet

(h) Replacing the Back/Neck/Side Liner

• Slide the Riddell nameplate over bottom-rear of helmet
• Locate valve through the hole in rear of exterior shell
• Center valve and press it into the hole
• Secure valve with exterior valve cap
• Bring Side liner pads into place above ear holes
• Ensure Side liner is left and right ends fit snug against Front pad

(i) Removing 5-Pads (Face Pads)

• Gently dispose shell plugs or valve retainers near the ear holes
• Slide fingers between Face pad and interior shell, locate shell plugs
• Ease plugs from interior shell
• Pull pad away from Velcro
  - Be careful to not rip the pad material

(j) Replacing 5-Pads (Face Pads)

• Press shell plugs or valve retainers into holes near ear holes
• Connect pad to Velcro on interior shell

(k) Removing the Crown Pad

• Gently remove valve cap from top of exterior shell
• Invert helmet and gently wedge fingers between Crown pad and interior shell
• Ease the valve from interior shell
• Ease shell plug from interior shell
• Pull Crown pad from helmet

(l) Replacing the Crown Pad

• Invert helmet
• Press the shell plug into top of interior shell
• Locate valve through the second hole in the top of exterior shell
• Center valve and press it into the hole until flush with exterior shell
• Secure valve with exterior valve cap

(m) Removing the Front Pad

• Grip Front pad from its top or sides
• Gently pull Front pad from Velcro fastener
  - If necessary, pull end of Side pads away from interior shell
• If Front Pad is inside a pocket:
  - Pull pocket away from Velcro fastener
  - Slide Front Pad out of pocket

(n) Replacing the Front Pad

• Connect Front Pad to Velcro on interior shell
• Press pad into place
  - If necessary, pull end of Side pads away from interior shell
  - Snug Front Pad fits snug between ends of Side liner
• If Front pad goes inside a pocket:
  - Slide Front pad into pocket
• Attach pocket to Velcro fastener

Service and cleaning instructions are also provided at the end of this document.