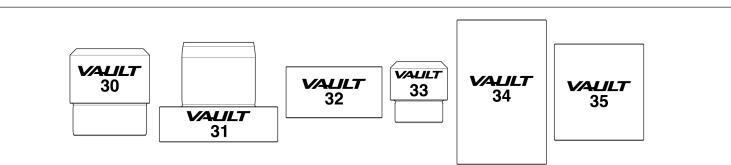
# **PACEFACE**

#### WARNING AND SAFETY INFORMATION

Race Face products should be installed by a professional bicycle service technician, in accordance with Race Face installation specifications. Improperly installed products can fail, causing the rider to lose control resulting in SEVERE INJURY OR DEATH. Modification or alteration of a Race Face product can cause product failure resulting in SEVERE INJURY OR DEATH. Improper service, or use of non-Race Face replacement parts with Race Face products may cause the product to malfunction, resulting in SEVERE INJURY OR DEATH. Never use a power washer to clean your Race Face product.

# TRACE HUB SERVICE MANUAL

The instructions in this service manual can be used with the parts listed below. If you do not see your parts listed here, please contact your dealer for instructions and information.



#### VAULT KIT (F60185) CONTENTS:

PART	DESCRIPTION	QTY SUPPLIED IN KIT	TRACE HUB COMPATIBILITY
VAULT 30	Bearing removal tool, 6805	1	*N/A
VAULT 31	Bearing installation drift, 6805	2	*N/A
VAULT 32	Bearing installation drift, 18x30	2	J615
VAULT 33	Bearing removal tool, 18x30	1	J615
VAULT 34	Bearing installation drift, 6902 drive side	1	J624/J622
VAULT 35	Bearing installation drift, 6902 non-drive side	1	J624/J622

\*For use in VAULT hubs only

Kit parts are laser etched to help you identify them easily. Visit raceface.com for more information on how to use this kit to service Trace hubs and VAULT hubs.

#### PARTS LIST

	RACE FACE TRACE FRONT HUBS	RACE FACE TRACE REAR HUBS	
HUB MODEL	FRONT HUBS: J615 Aeffect R Front wheels, Aftermarket Hub F60199	REAR HUBS: J624/J622 Aeffect R and Aeffect R eMTB Rear wheels, Aftermarket Hubs F60190, F60191, F60192, F60193, F60194, F60195	
BEARINGS (REQUIRED)	* 2x - F60123, BEARING, 18X30, CN, AM	* 2x - F60078, BEARING, 6902 CM	
AXLE (OPTIONAL)	F60202, AXLE, TRACE, J-BEND, FRONT, 15x110 (J615)	F60200, AXLE, TRACE, J-BEND, REAR, 12x148 (J624) F60201, AXLE, TRACE, J-BEND, REAR, 12x157 (J622)	
OTHER PARTS TO REVIEW FOR REPLACING (OPTIONAL)	F60199, ENDCAP, SET, TRACE, J-BEND, FRONT, 15X110	F60196, ENDCAP, SET, TRACE, J-BEND, REAR, 12X148/157 F60203, SPACER, TRACE, J-BEND, CASSETTE BODY F60204, SEAL, TRACE, J-BEND, CASSETTE BODY, NDS	

\*Bearings are sold in single (1) qty. Purchase 2 to replace both bearings. NOTE: Some Race Face and Easton spare parts can be interchanged as necessary, see Parts List Appendix A

#### TOOL AND SUPPLIES LIST FOR ALL SERVICE STEPS

Small flat head screwdriver or pick Small plastic mallet Bearing press VAULT 34 (or Park Tool Drift 2262-2 / 2272-2) VAULT 35 (or Park Tool Drift 2262-2 / 2272-2) VAULT 33 VAULT 32 (x2) Rubber gloves Clean, lint-free rags 15 mm or 12 mm blind bearing puller or vise with soft jaws (optional)

# APPROVED GREASES AND OIL FOR ALL SERVICE STEPS

Easton Cassette Body Grease Buzzy's Slick Honey Grease Slickoleum Light Grease Dumonde Tech Classic Freehub Grease Dumonde Tech Advanced Freehub Grease Superlube Silicone Lubricating Grease Triflow Clear Synthetic Grease

#### WATERPROOF GREASE

Any thick waterproof, marine grease

#### OIL

Super Lube Multi Purpose Synthetic Oil With Syncolon (PTFE) Park Tool CL-1 Synthetic Blend Lube With PTFE Similar light PTFE oil

# **TRACE FRONT HUB BEARING REPLACEMENT (J615)**

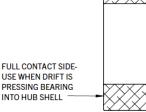
#### PART LIST

F60123, BEARING, 18X30, CN, AM (1 PC) - **2 REQUIRED FOR SERVICE** F60202, AXLE, TRACE, J-BEND, FRONT, 15x110 (J615)

# TOOL LIST

1.

Plastic mallet Pick or small flat head screwdriver Bearing press VAULT 33 VAULT 32 (x2) 15 mm blind bearing puller or vise with soft jaws (optional) Rubber gloves



STEPPED SIDE-USE WHEN DRIFT IS ALIGNING AXLE DURING 1ST BEARING PRESS. INSTALL OVER AXLE, WITH STEP FACING AXLE FLANGE

# FRONT BEARING REMOVAL

#### Remove the end caps.

- **NOTICE:** All Race Face end caps are designed to be removed by hand. Clamping end caps with vise jaws or pliers can damage them. A rubber glove can help improve grip. A 15 mm blind bearing puller tool can be used for difficult to remove end caps. Insert the VAULT 33 removal drift into the rotor side of the axle.
- Insert the VAULT 33 removal drift into the rotor side of the axle.
   Use the mallet to tap the removal drift until the non-rotor side bearing is ejected. Remove the drift and discard the bearing.
- Keep the axle inserted into the rotor-side bearing. Insert the VAULT 33 removal drift into the non-rotor side and use the mallet to tap the drift until the rotor-side bearing and seal are ejected. Remove all tools, set the seal aside, and discard the bearing.
- 5. Clean and inspect all parts for signs of damage and wear, including the hub shell, axle, end caps, and seals. Check the seal for tears or worn edges. Use a flathead screwdriver or pick to remove and replace the seal if it is damaged.

#### FRONT BEARING INSTALLATION

**IMPORTANT:** Always fully install the rotor-side bearing first for front hubs.

- 1. Apply a light coat of **WATERPROOF GREASE** to the axle bearing surfaces.
- Install the new 18x30 bearing onto the end of the axle, making sure the red seal is facing out. Insert the VAULT 32 onto the axle with the flat side contacting the bearing. Install the bearing/axle/drift assembly into the rotor-side bearing bore.
   IMPORTANT: Never press a bearing using the stepped side of a bearing drift. Only press bearings with the flat side of the drift contacting the bearings.
  - **IMPORTANT:** Do not apply grease or Loctite to the bearing bores.
- 3. Insert the second VAULT 32 into the non-rotor side bearing bore. Make sure the counter-bore side is facing in toward the axle flange.
- Insert the bearing press through the drifts and tighten until the rotor-side bearing is firmly seated.
   IMPORTANT: Use a moderate force on the handles of bearing press. Forces too low or too high can result in excessive drag and premature wear.
- 5. Remove the press from the non-rotor side and leave all other parts in place.
- 6. Position the bearing on the axle of the non-rotor side and make sure the red seal is facing out.
- Install the VAULT 32 onto the axle against the non-rotor side bearings. Make sure the flat side of the VAULT 32 is facing inward. Both VAULT 32 tools must now be contacting the bearings on both the rotor and non-rotor side.
   NOTE: Original bearings have black bearing seals on both sides. Replacement bearings are VAULT bearings used in Trace hubs and the red seals should face out.
- 8. Insert the bearing press and tighten until low force bottom out.
- 9. Make sure the axle rotates smoothly. If the axle has resistance or roughness, review the bearing press alignment and determine if this force is too high or too low. Consult your dealer for any questions or assistance in troubleshooting.
- Apply an even coat of WATERPROOF GREASE to the outsides of both bearings.
   Reinstall the end caps by hand.
  - **NOTE:** The front end caps are symmetrical.

# **TRACE REAR HUB BEARING REPLACEMENT (J624/J622)**

#### PART LIST

2x F60078: BEARING, 6902 CM F60201, AXLE, TRACE, J-BEND, REAR, 12x148 (J624) or F60200, AXLE, TRACE, J-BEND, REAR, 12x157 (J622) F60204, SEAL, TRACE, J-BEND, CASSETTE BODY, NDS

## **TOOL LIST**

1

Plastic mallet Small flat head screwdriver or pick Bearing press VAULT 34 (or Park Tool Drift 2262-2 / 2272-2) VAULT 35 (or Park Tool Drift 2262-2 / 2272-2) 12 mm blind bearing puller or vise with soft jaws (optional) Lint-free rag Rubber gloves

## **REAR BEARING REMOVAL**

Remove the drive side end cap and cassette body by firmly gripping and pulling the cassette body

NOTICE: All Race Face end caps are designed to be removed by hand. Clamping end caps with vise jaws or pliers can damage them. A rubber glove can help improve grip. A 12 mm blind bearing puller tool can be used for difficult to remove end caps.

- 2. Remove the cassette body 12.55 mm spacer. **TIP:** This spacer can be located on the axle against the drive side hub shell bearing OR it can stick to the inner cassette body bearing inner race.
- Use a mallet to tap the drive-side end of the axle to eject the bearing and axle from the non-drive side. 3.
- Remove the non-drive side end cap, if it is not already removed. Remove the non-drive side seal and bearing from the axle. Set the seal 4. aside and discard the bearing.
- Turn the axle around and insert the non-drive end of the axle into the drive side bearing. Use a mallet to tap the axle and eject the 5. bearing from the drive side. Remove the axle and discard the bearing.
- 6. Clean and inspect all parts for signs of damage and wear, including the hub shell, axle, cassette body, and seals. Check the cassette body seal lip and non-drive side seal for tears or worn edges. Use a flathead screwdriver or pick to remove and replace the seals if they are damaged.

#### REAR BEARING REPLACEMENT

**IMPORTANT:** Always fully install the rear drive-side bearing first for rear hubs.

- Apply a light coat of **WATERPROOF GREASE** to the axle bearing surfaces. 1.
- Slide the bearing onto the drive side of the axle with the red seal facing out. Add the VAULT 34 onto the axle/bearing assembly. Insert 2. the axle/bearing/drift assembly into the drive side bearing bore. **IMPORTANT:** Install/press only one bearing at a time.
- Insert the VAULT 35 into the non-drive side bearing bore with the stepped side facing in. 3.
- Insert the bearing press through the hub, all drifts, axle, and bearing. Tighten the press until the bearing is fully installed. 4. IMPORTANT: Use a moderate force on the handles of the bearing press. Forces too low or too high can result in excessive drag and premature wear.
- 5 Remove the press from the non-drive side.
- Slide the non-drive side bearing onto the axle with the red seal facing out. 6
- 7. Place the flat side of the VAULT 35 against the bearing.
- Assemble the press, ensure all drifts are aligned, and tighten with low force until the non-drive side bearing is fully installed. 8.
- 9. Remove the press and drifts.
- Make sure the axle rotates smoothly. If the axle has resistance or roughness, review the bearing press alignment and determine if this 10. force is too high or too low. Consult your dealer for any guestions or assistance in troubleshooting.

#### **REAR HUB FINAL ASSEMBLY**

- Apply a small and even coat of LIGHT CASSETTE BODY GREASE to the non-drive side bearing face. 1
- Apply LIGHT CASSETTE BODY GREASE to the inner lip of the non-drive side end cap seal. Install the seal into the non-drive side hub 2. shell bore with the sealing lip edge facing out. Use VAULT 34 or VAULT 35 to fully seat the non-drive side end cap seal.
- Install the non-drive side end cap. 3.
- Install the cassette body 12.55 mm spacer onto the axle. 4.
- 5. Grease the hub shell drive ring with a moderate laver of LIGHT CASSETTE BODY GREASE.
- Apply OIL inside the cassette body seal lip. 6.
- For Shimano HG and XD cassette bodies only: Apply a thin coat of LIGHT CASSETTE BODY GREASE to inside of seal lip at the outer 7. cassette body bearing.
- 8. Slide the cassette body onto the axle. Make sure to rotate the cassette body counter-clockwise to disengage the pawls and allow the cassette body to fully seat.
- For Micro Spline cassette bodies only: Apply a thin coat of WATERPROOF GREASE to the outer cassette body bearing, then install the 9 thin steel washer.
- 10. Install the correct end cap onto the axle, according to your cassette body specification: Shimano HG and XD: Install the 17.5mm long end cap, which has no logo. Micro Spline: Install the 19.3mm long end cap, which has the Micro Spline logo.

3

STEPPED SIDE-FLANGE

FULL CONTACT SIDE-

USE WHEN DRIFT IS

PRESSING BEARING INTO HUB SHELL

USE WHEN DRIFT IS ALIGNING AXLE DURING 1ST BEARING PRESS. INSTALL OVER AXLE, WITH STEP FACING AXLE

# CASSETTE BODY REPLACEMENT (J624/J622)

This cassette body replacement procedure is only for the cassette bodies listed in the parts list below.

#### PART LIST

F60190: CASSETTE BODY, TRACE. J-BEND, MTN-HG, ALLOY F60191: CASSETTE BODY, TRACE. J-BEND, MTN-HG, STEEL F60192: CASSETTE BODY, TRACE. J-BEND, XD, ALLOY F60193: CASSETTE BODY, TRACE. J-BEND, XD, STEEL F60194: CASSETTE BODY, TRACE. J-BEND, MS, ALLOY F60195: CASSETTE BODY, TRACE. J-BEND, MS, STEEL

#### TOOL LIST

Plastic mallet

12 mm blind bearing puller or vise with soft jaws (optional) Rubber gloves

#### REMOVAL

- Firmly pull the end cap and cassette body by hand to remove them.
   NOTICE: All Race Face end caps are designed to be removed by hand. Clamping end caps with vise jaws or pliers can damage them. A rubber glove can help improve grip. A 15 mm or 12 mm blind bearing puller tool can be used for difficult to remove end caps.
- Remove the cassette body 12.55 mm spacer.
   TIP: This spacer can be located on the axle against the drive side hub shell bearing OR it can stick to the inner cassette body bearing inner race.

#### INSTALLATION

- 1. Apply **LIGHT OIL** to the cassette body seal inner lip.
- 2. Install the cassette body 12.55 mm spacer onto the axle.
- Grease the hub shell drive ring with a moderate layer of LIGHT CASSETTE BODY GREASE. Shimano HG and XD cassette bodies only: Apply a thin coat of LIGHT CASSETTE BODY GREASE to inside of seal lip at the outer cassette body bearing.
- 4. Slide the cassette body onto the axle. Make sure to rotate the cassette body counter-clockwise to disengage the pawls and allow the cassette body to fully seat.
- 5. Micro Spline cassette bodies only: Apply a thin coat of WATERPROOF GREASE to the outer cassette body bearing, then install the thin steel washer.
- Install the correct end cap onto the axle, according to your cassette body specification: Shimano HG and XD: Install the 17.5 mm long end cap, which has no logo.
   Micro Spline: Install the 19.3 mm long end cap, which has the Micro Spline logo.

# REAR HUB CLEANING AND LUBRICATION

This procedure should be completed once per riding season or more frequently during severe wet conditions.

#### **TOOL LIST**

Light degreaser or solvent such as Simple Green Small flat head screwdriver or pick Pawl and spring kit, hub seal, end cap seal kit (optional) 12 mm blind bearing puller or vise with soft jaws (optional) Lint-free rag Rubber gloves

#### HUB REMOVAL

- Firmly pull the drive side end cap and cassette body by hand to remove them.
   NOTICE: All Race Face end caps are designed to be removed by hand. Clamping end caps with vise jaws or pliers can damage them. A rubber glove can help improve grip. A 12 mm blind bearing puller tool can be used for difficult to remove end caps.
- Remove the cassette body 12.55 mm spacer.
   TIP: This spacer can be located on the axle against the drive side hub shell bearing OR it can stick to the inner cassette body bearing inner race.
- 3. Inspect the cassette body seal lip for tears or worn edge. Use a flathead screwdriver or pick to remove and replace the seal if it is damaged.
- Remove the non-drive side end cap by hand.
   NOTICE: All Race Face end caps are designed to be removed by hand. Clamping end caps with vise jaws or pliers can damage them. A rubber glove can help improve grip. A 12 mm blind bearing puller tool can be used for difficult to remove end caps.
- 5. Use a small flat head screwdriver or pick to remove the non-drive side end cap seal.
- 6. Inspect the non-drive side end cap seal lip for tears or worn edge. Use a flathead screwdriver or pick to remove and replace the seal if it is damaged.

#### **CLEAN AND INSPECT**

- Thoroughly inspect all parts for damage and wear. Replace the cassette body if excessive wear or corrosion are present.
- Thoroughly clean all parts. Clean the drive ring in the hub with degreaser and a lint-free rag. Clean the cassette body and pawls with degreaser. Be sure to use an evaporating degreaser and wait until areas are free from degreaser before applying fresh grease. When using degreaser be sure to keep it away from the bearings.
   **IMPORTANT:** Do **NOT** apply grease or Loctite to the bearing bores.
- 3. Use a dry, lint-free rag to clean the non-drive side outer bearing surface and cassette body outer bearing/seal.
- 4. Clean all the end caps and end cap seals using a light degreaser or solvent such as Simple Green. Do not use harsh cleaners, brake cleaner, or acetone.

#### **REAR HUB INSTALLATION**

- 1. Apply a small and even coat of **LIGHT CASSETTE BODY GREASE** to the non-drive side bearing face. **IMPORTANT:** Do **NOT** apply grease or Loctite to the bearing bores.
- Apply LIGHT CASSETTE BODY GREASE to the inner lip of the non-drive side end cap seal. Install the seal into the non-drive side hub shell bore. Make sure the sealing lip edge faces out. Push the seal in until it is fully seated against the bearing. Press the VAULT 34 or VAULT 35 by hand to fully seat the non-drive side end cap seal.
   Install the cassette body 12.55 mm spacer onto the axle.
- Grease the hub shell drive ring with a moderate layer of LIGHT CASSETTE BODY GREASE.
- 5. Apply **OIL** inside the cassette body seal lip.
- 6. Shimano HG and XD cassette bodies only: Apply a thin coat of LIGHT CASSETTE BODY GREASE to inside of seal lip at the outer cassette body bearing.
- 7. Slide the cassette body onto the axle. Make sure to rotate the cassette body counter-clockwise to disengage the pawls and allow the cassette body to fully seat.
- 8. **Micro Spline cassette bodies only:** Apply a thin coat of **WATERPROOF GREASE** to the outer cassette body bearing, then install the thin steel washer.
- Install the correct end cap onto the axle, according to your cassette body specification: NOTE: The rear longer end cap installs on the non-drive side. The front end caps are symmetrical. Shimano HG and XD: Install the 17.5mm long end cap, which has no logo. Micro Spline: Install the 19.3mm long end cap, which has the Micro Spline logo.

# END CAP REPLACEMENT

#### PART LIST

F60199, ENDCAP,SET,TRACE,J-BEND,FRONT,15x110 (J615) F60196, ENDCAP,SET,TRACE,J-BEND,REAR,12x148/157 (J624/J622)

#### TOOL LIST

15 mm or 12 mm blind bearing puller or vise with soft jaws (optional) Lint-free rag Rubber gloves

#### REMOVAL

1. Remove the end caps by hand.

**NOTICE:** All Race Face end caps are designed to be removed by hand. Clamping end caps with vise jaws or pliers can damage them. A rubber glove can help improve grip. A 15 mm or 12 mm blind bearing puller tool can be used for difficult to remove end caps.

#### INSTALLATION

- If the wheel is NOT new, clean the bearings with a lint-free rag and apply new grease as recommended below: Front J615: Apply WATERPROOF GREASE to cover the outer seals of the bearing. Rear J624/J622: Apply thin cassette body grease on the insides of the end cap seals. For Shimano HG and XD cassette bodies only: Apply a thin coat of LIGHT CASSETTE BODY GREASE to the inside of the seal lip at the outer cassette body bearing. For Micro Spline cassette bodies only: Apply a thin coat of WATERPROOF GREASE to the outer cassette body bearing, then install the thin steel washer.
- Install the correct end cap onto the axle, according to your cassette body specification: NOTE: The rear longer end cap installs on the non-drive side. The front end caps are symmetrical. Shimano HG and XD: Install the 17.5mm long end cap, which has no logo. Micro Spline: Install the 19.3mm long end cap, which has the Micro Spline logo.

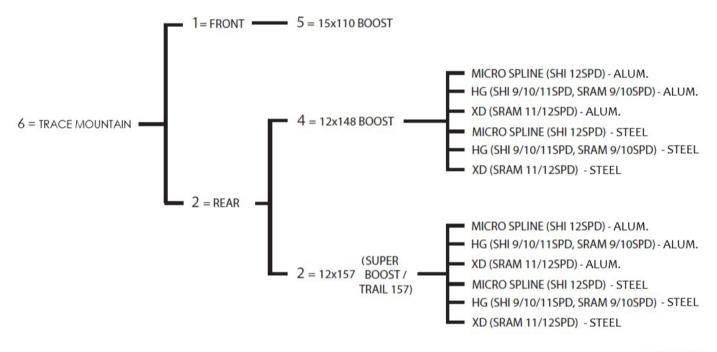
# APPENDIX A - TRACE SPARE PARTS LIST (J615/J624/J622)

• Compatible part. • Alternate option. Avoid mixing different spoke types when possible.

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FR0193CASSETTE BODY,TRACE.J BEND,XD.STEELImage: State St	F60191	CASSETTE BODY,TRACE.J-BEND,MTN-HG,STEEL		•	•
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F60078BEARING,6902 CM AMImage: status and s	F60123	BEARING,18X30,CN,AM	•		
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Foolafe         BEARING.6802,2PCS         Image: Constraint of the second	F60079	BEARING,15267 CM		•	•
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F60199ENDCARSET,TRACE,J-BEND,FRONT,ISX10•••F60196ENDCARSET,TRACE,J-BEND,REAR,12x148/157 </td <td>F60146</td> <td>BEARING,6802,2PCS</td> <td></td> <td>•</td> <td>•</td>	F60146	BEARING,6802,2PCS		•	•
F60196ENDCAPSETTRACE,J-BEND,REAR,12x148/157Image: Constraint of the	F60185	BEARING,DRIFT,KIT,VAULT,F+R, AM	•	•	•
F60204SEAL,TRACE,J-BEND,CASSETTE BODY/NDS•F60203SPACER,TRACE,J-BEND,CASSETTE BODY••F60021MTN TUBELESS KITVALVE X2 /TAPE IOMX29MM•••F60021MTN TUBELESS KITVALVE X2 /TAPE IOMX29MM••••F60021MTN TUBELESS KITVALVE X2 /TAPE IOMX29MM•••••ORM20AER302928HRIMAEFFECT-R.30,279',28H,BLK••• <td< td=""><td>F60199</td><td>ENDCAP,SET,TRACE,J-BEND,FRONT,15x110</td><td>•</td><td></td><td></td></td<>	F60199	ENDCAP,SET,TRACE,J-BEND,FRONT,15x110	•		
F60203SPACER,TRACE,J-BEND,CASSETTE BODYIntermediationF60021MTN TUBELESS KITVALVE X2 /TAPE 10MX29MMIntermediationF60021MTN TUBELESS KITVALVE X2 /TAPE 10MX29MMIntermediationORM20AER302928HRIM,AEFFECT-R,30,29',28H,BLKIntermediationORM20AER3027.528HRIM,AEFFECT-R,30,27.5'',28H,BLKIntermediationORM20AEREMTB302932HRIM,AEFFECT-R,EMTB,30,29'',32H,BLKIntermediationORM20AEREMTB3027.532HRIM,AEFFECT-R,EMTB,30,27.5'',32H,BLKIntermediationB60061DECAL SHEET,MY21 AEFFECT R,29,GRYIntermediationB60062DECAL SHEET,MY21 AEFFECT R,275,GRYIntermediationB60064DECAL SHEET,MY21 AEFFECT R, EMTB,29,GRYIntermediationB60064DECAL KIT LARGE 185C REDIntermediationB60018LP185DECAL KIT LARGE 185C REDIntermediationB60118LP185DECAL KIT LARGE 186C RED NELLOWIntermediationF60118LP2802DECAL KIT LARGE 800C NEON YELLOWIntermediationF60118LP031DECAL KIT LARGE 80C NEON GELNIntermediationF60118LP031DECAL KIT LARGE 80C NEON BLUEIntermediationF60118LP031DECAL KIT LARGE 10392 GREYIntermediationF60118LP0392DECAL KIT LARGE 10392 GREYIntermediationF60118LP031DECAL KIT LARGE 10392 GREYIntermediationF60118LP031DECAL KIT LARGE 10392 GREYIntermediationF60118LP0392DECAL KIT LARGE 10392 GREYIntermediationF60118LP0393DECAL KIT LARGE 10392 GREYIntermediationF60118LP0394 <td< td=""><td>F60196</td><td>ENDCAP,SET,TRACE,J-BEND,REAR,12x148/157</td><td></td><td>•</td><td>•</td></td<>	F60196	ENDCAP,SET,TRACE,J-BEND,REAR,12x148/157		•	•
FGO21MTN TUBLELSS KITVALVE X2 /TAPE 10MX29MM••••··· <t< td=""><td>F60204</td><td>SEAL,TRACE,J-BEND,CASSETTE BODY,NDS</td><td></td><td>•</td><td>•</td></t<>	F60204	SEAL,TRACE,J-BEND,CASSETTE BODY,NDS		•	•
ORN20AER302928HRIM.AEFFECT-R.30.29".28H,BLK••••··· <th< td=""><td>F60203</td><td>SPACER,TRACE,J-BEND,CASSETTE BODY</td><td></td><td>•</td><td>•</td></th<>	F60203	SPACER,TRACE,J-BEND,CASSETTE BODY		•	•
ORM20AER3027528HRIM.AEFFECT-R.30.27.5".28H.BLK•••	F60021	MTN TUBELESS KIT, VALVE X2 / TAPE 10MX29MM	•	•	•
ORM20AEREMTB302932HRIM,AEFFECT-R,EMTB,30,29",32H,BLKImplementationORM20AEREMTB3027.532HRIM,AEFFECT-R,EMTB,30,27.",32H,BLKImplementationB60061DECAL SHEET,MY21 AEFFECT R,29,GRYImplementationB60062DECAL SHEET,MY21 AEFFECT R,27,5,GRYImplementationB60063DECAL SHEET,MY21 AEFFECT R, 27,5,GRYImplementationB60064DECAL SHEET,MY21 AEFFECT R EMTB,29,GRYImplementationB60064DECAL SHEET,MY21 AEFFECT R EMTB,27,5,GRYImplementationB60064DECAL KIT LARGE 185C REDImplementationF6018LP185DECAL KIT LARGE 185C REDImplementationF6018LP185DECAL KIT LARGE 289C NEON YELLOWImplementationF6018LP802DECAL KIT LARGE 801C NEON BLUEImplementationF6018LP801DECAL KIT LARGE 021C ORANGEImplementationF6018LP021DECAL KIT LARGE 021C ORANGEImplementationF6018LP021DECAL KIT LARGE 0290C PURPLEImplementationF6018LP021DECAL KIT LARGE 19392 GREYImplementationF6018LP10392DECAL KIT LARGE 19392 GREYImplementationDECAL KIT LARGE 10392 GREYImplementationImplementationF6018LP10392DECAL KIT LARGE 10392 GREYImplementationDEC125SPOKE,J-BEND 20/1,TCS,278MM,BLKImplementationDE0126SPOKE,J-BEND 20/1,TCS,278MM,BLKImplementationDE0126SPOKE,J-BEND 20/1,8TCS,271MM,BLKImplementationDE0126SPOKE,J-BEND 20/1,8TCS,271MM,BLKImplementationDE0126SPOKE,J-BEND 20/1,8TCS,271MM,BLK <td>ORM20AER302928H</td> <td>RIM,AEFFECT-R,30,29",28H,BLK</td> <td>•</td> <td>•</td> <td></td>	ORM20AER302928H	RIM,AEFFECT-R,30,29",28H,BLK	•	•	
ORM20AEREMTB3027.532HRIM.AEFFECT-R,EMTB,30,27.5",32H,BLKImage: Constraint of the state o	ORM20AER3027.528H	RIM,AEFFECT-R,30,27.5",28H,BLK	•	•	
ORN200AEREMTB3027.532HRIM.AEFFECT-R,EMTB,30,27.5",32H,BLKImage: Constraint of the state	ORM20AEREMTB302932H	RIM,AEFFECT-R,EMTB,30,29",32H,BLK			•
B60061DECAL SHEET,MY21 AEFFECT R,29,GRY••• <td>ORM20AEREMTB3027.532H</td> <td></td> <td></td> <td></td> <td>•</td>	ORM20AEREMTB3027.532H				•
B60062DECAL SHEET,MY21 AEFFECT R,27.5,GRY•••<	B60061		•	•	
B60063DECAL SHEET,MY21 AEFFECT R EMTB,29,GRYImage: Constraint of the state			•	•	
B60064DECAL SHEET,MY21 AEFFECT R EMTB,27.5,GRYImage: Constraint of the sector of					•
F60118LP185DECAL KIT LARGE 185C REDImage: Constraint of the state of the st					•
F60118LP389DECAL KIT LARGE 389C NEON YELLOWImage: style			•	•	•
F60118LP802DECAL KIT LARGE 802C NEON GREEN•• <td></td> <td></td> <td>•</td> <td>•</td> <td>•</td>			•	•	•
F60118LP801DECAL KIT LARGE 801C NEON BLUE••••••••F60118LP021DECAL KIT LARGE 021C ORANGE••<			•	•	•
F60118LP021DECAL KIT LARGE 021C ORANGE••••••••••••F60118LP021DECAL KIT LARGE D12 ORANGE•••			•	•	•
F60118LPBLKDECAL KIT LARGE BLACK•••F60118LP2597DECAL KIT LARGE 2597C PURPLE••• </td <td></td> <td></td> <td>•</td> <td>•</td> <td>•</td>			•	•	•
F60118LP2597DECAL KIT LARGE 2597C PURPLE••••••F60118LP10392DECAL KIT LARGE 10392 GREY••<			•	•	•
F60118LP10392DECAL KIT LARGE 10392 GREY•• </td <td></td> <td></td> <td>•</td> <td>•</td> <td>•</td>			•	•	•
D60125SPOKE,J-BEND 2.0/1.7 TCS,296MM,BLK••<			•	•	•
D60124     SPOKE,J-BEND 2.0/1.7,TCS,278MM,BLK     •     •       D60127     SPOKE,J-BEND 2.0/1.8 TCS,290MM,BLK         D60126     SPOKE,J-BEND 2.0/1.8 TCS,271MM,BLK         D60126     SPOKE,J-BEND 2.0/1.8 TCS,271MM,BLK         F60128     NIPPLE,BRASS,DOUBLE SQUARE,2.0x16,SL,BLK,32PAK     •     •			•	•	
D60127     SPOKE,J-BEND 2.0/1.8 TCS,290MM,BLK       D60126     SPOKE,J-BEND 2.0/1.8 TCS,271MM,BLK       F60128     NIPPLE,BRASS,DOUBLE SQUARE,2.0x16,SL,BLK,32PAK			•	•	
D60126     SPOKE,J-BEND 2.0/1.8 TCS,271MM,BLK       F60128     NIPPLE,BRASS,DOUBLE SQUARE,2.0x16,SL,BLK,32PAK					
F60128 NIPPLE,BRASS,DOUBLE SQUARE,2.0x16,SL,BLK,32PAK • • •					•
			•	•	
				•	•
8022218 TUBELESS VALVE w/ removable core 46mm o o					0



J prefix denotes J-Bend Hub.



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