

# JUNIT 32 MY23+ SERVICE GUIDE

*m* MANITOU



## MANITOU

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## WARRANTY

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For full warranty information please visit  
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# INTRODUCTION

This manual is intended to provide the information necessary for installation, set-up, normal maintenance and service of the Manitou JUNIT 32 COMP and SPORT MY23+ suspension fork. We highly recommend installation be performed by a qualified mechanic. These instructions can be downloaded from the Hayes Performance Systems website at [www.manitoumtb.com](http://www.manitoumtb.com)

## ⚠ WARNING ⚠

We highly recommend that service be performed by a certified bicycle mechanic. Failure to follow instructions presented in this manual could lead to serious injury or death. Any questions about the servicing of this fork or the manual itself should be directed to Hayes Customer Support at:

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| <b>Hayes<br/>Bicycle<br/>USA</b> | 5800 W Donges Bay Road Mequon WI 53092                                                |
|                                  | Phone: 888.686.3472                                                                   |
|                                  | Email: <a href="mailto:techsupport@hayesbicycle.com">techsupport@hayesbicycle.com</a> |

|                                     |                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Hayes<br/>Bicycle<br/>Europe</b> | Dirnismaning 20 a 85748 Garching (b. Munich) Germany                                      |
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|                                     | Email: <a href="mailto:techsupportEU@hayesbicycle.com">techsupportEU@hayesbicycle.com</a> |

|                                   |                                                                                     |
|-----------------------------------|-------------------------------------------------------------------------------------|
| <b>Hayes<br/>Bicycle<br/>Asia</b> | 16F, No. 37, Sec. 3 Mincyuan E. Rd. Zhongshan District Taipei City 10476 Taiwan ROC |
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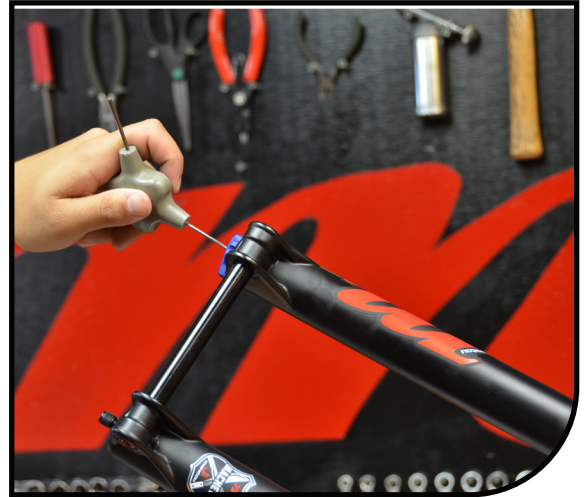
# TOOLS AND MATERIALS

- Safety Glasses
- Nitrile Gloves
- Lint-Free Rags
- Slickoleum™ Grease | 10-Oz Tub – Manitou Part Number 20-32929 | 5MI Tube – Manitou Part Number 141-33604-K001
- Semi-Bath Oil, 5/40W Synthetic - Manitou Part Number 85-0022
- 5W Maxima Fork Oil - Manitou Part Number 85-0023
- 32mm Seal Press - Manitou Part Number 172-31122
- 32mm Rebuild Kit - Manitou Part Number 141-28528-K010
- Manitou Tool Kit – Manitou Part Number 172-31133  
(Includes The 3 Tools Below)
  - Manitou Slotted Cassette Tool
  - Manitou Thin Walled 8mm Socket
  - Manitou 24mm Flat Ground Socket
- 2mm Hex Wrench
- 4mm Hex Wrench
- 6mm Hex Wrench
- 8mm Hex Socket
- 22mm Wrench, Open or Box End
- Cassette Tool (PRO IRT removal only)
- Torque Wrench
- Socket Wrench
- 22mm Crow's Foot
- Fork/Shock Pump
- Pick
- Adjustable Wrench
- Downhill Tire Lever Or Flat Blade Screwdriver
- Support Block (2"x4"x4" Wood, Plastic, or Similar)

# CASTING REMOVAL & SERVICE

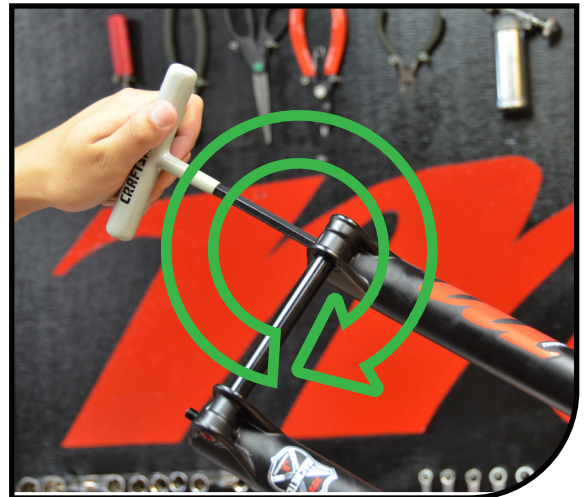
1

Holding the rebound knob steady, insert 2mm hex wrench into rebound knob screw and rotate the wrench counter-clockwise until threads completely disengage. Remove rebound knob and screw.



1

Insert an 8mm Hex wrench into the end of the rebound rod and rotate clockwise. The rebound end fitting will move toward the inside of the casting. Continue rotating until end fitting disengages completely from casting threads.



1

Unscrew air cap and depress Schrader valve a few times to ensure all air is released.

PRO ONLY: unscrew air cap from IRT, depress schrader valve to ensure all air is released.

## CAUTION:

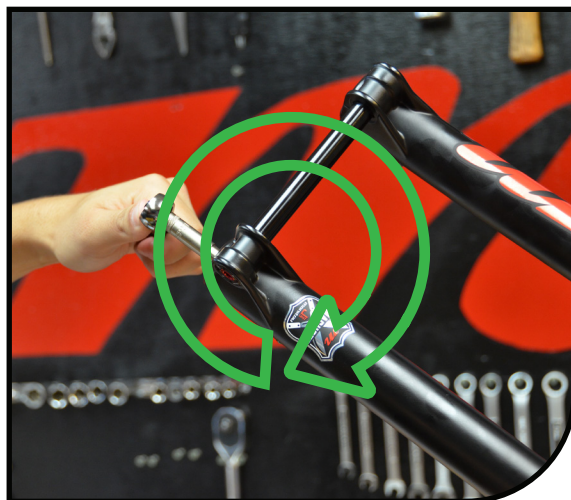
Do not proceed to next step without completely depressurizing air spring



# CASTING REMOVAL & SERVICE

- 1 Insert Manitou 8mm Thin Wall Socket onto the end of the compression rod and rotate clockwise. The comp rod end fitting will move toward the inside of the casting. Continue rotating until end fitting disengages completely from casting threads.

**NOTE:** Note: the compression rod can also be loosened by using an 8mm box end wrench on the external hex and a 4mm hex wrench on the internal hex of the comp rod end fitting. Rotating both wrenches clockwise simultaneously will loosen the compression rod, reducing the risk of damaging a seized end fitting.



- 1 Remove casting from fork. It is recommended this be done over a drain pan as the lower casting contains semi-bath oil. Allow oil in casting to drain out before continuing to next step.



- 1 Using a downhill tire lever or similar tool, gently pry the dust seals out of the casting.



# CASTING REMOVAL & SERVICE

1

Remove old foam wiper rings. Clean seal area with isopropyl alcohol. Apply semi-bath fluid to the new foam wiper rings and install into fork casting.



1

Remove springs from lip of dust seals. Using the Manitou 32mm Seal Press or large socket, press in the dust seals. Reinstall springs onto seals.



# AIR SPRING SERVICE

1

Expert: Using Manitou 24mm Flat Ground Socket, rotate air spring top cap counterclockwise and remove when threads completely disengage from the stanchion.

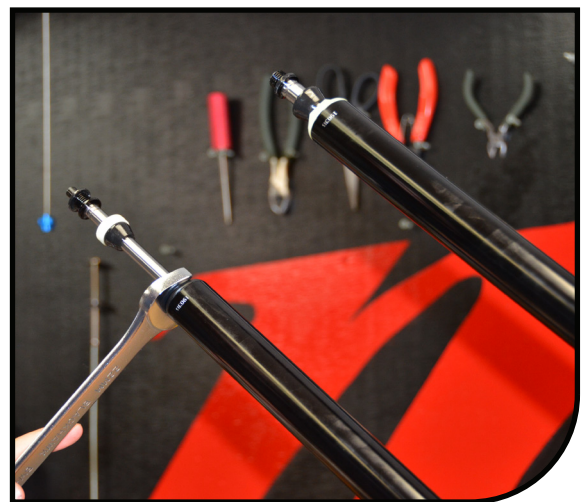
CAUTION: Do not begin disassembly until completely depressurizing air spring.

NOTICE: Make sure to apply top down force on tool to prevent slipping



1

Invert the fork. Using a 22mm wrench, rotate the air spring end cap counterclockwise until threads completely disengage from stanchion.



# AIR SPRING SERVICE

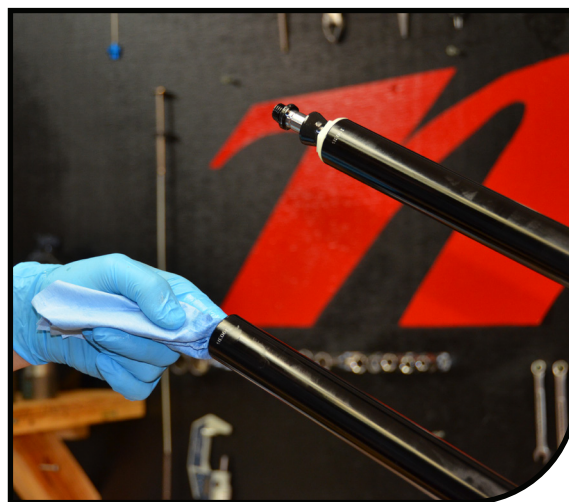
1

Remove air spring assembly. Clean assembly with isopropyl alcohol and a lint-free towel. Inspect air spring shaft, bumpers, and air piston seal for wear/damage and replace if necessary.



1

Once the air spring assembly is removed, clean the inside of the stanchion with isopropyl alcohol and a lint free towel. Be careful to not scratch the inner surface of the stanchion. Inspect the inside and outside of the stanchion for scratches or other damage.



1

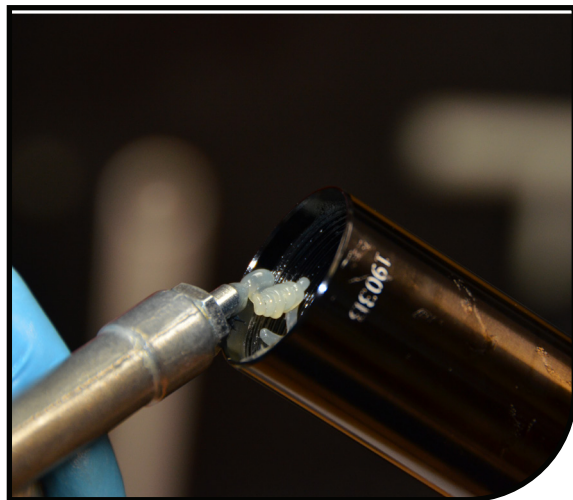
Liberally grease the piston quad seal and outer surface with Slickoleum™ grease. Also add 3cc's of Slickoleum™ grease to the top of the air piston.



# AIR SPRING SERVICE

1

Add Slickoleum™ grease to the stanchion threads before inserting the air spring assembly. Spread grease across entire thread surface.



1

Install air spring assembly into stanchion. Rotating clockwise, start the end cap threads by hand to prevent cross-threading. Using a 22mm crow's foot and torque wrench, torque to 80-100 in lb [9.0-11.3 N m].



1

Install top cap into stanchion. Torque to 60-80 in

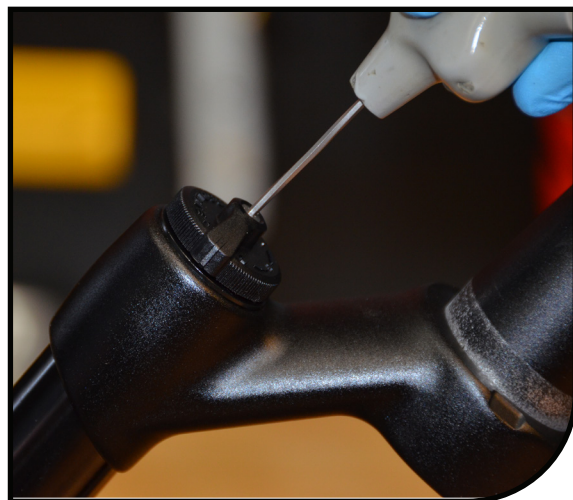
NOTICE: lbs [6.8-9.0 N m]. Make sure to apply top down force on the tool to prevent slipping.



# DAMPER SERVICE

1

Rotate adjuster knob counterclockwise to its end stop. Holding the knob steady, insert 2mm hex wrench into adjuster knob screw and rotate the wrench counterclockwise until threads completely disengage.



1

Remove the black compression knob, (2) detent balls, and (2) detent springs



1

Using Manitou 24mm Flat Ground Socket, rotate compression damper top cap counter-clockwise until threads completely disengage from the stanchion

**Note:** Make sure to apply top down force on the tool to prevent slipping.



# DAMPER SERVICE

1

Remove compression damper assembly from the stanchion.



1

Pour fork oil into a catch pan.



1

Invert the fork. Using a 22mm wrench, rotate the rebound damper end cap counter-clockwise until threads completely disengage from stanchion.

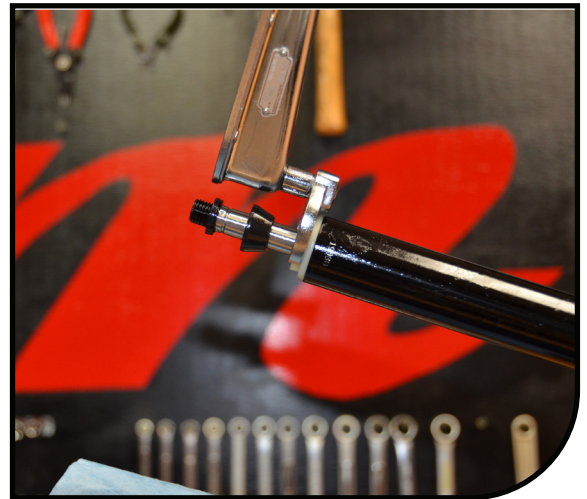


# DAMPER SERVICE

- 1 Remove rebound damper assembly from the fork. Once the damper assembly is removed, clean the inside of the stanchion with isopropyl alcohol and a lint free towel. Inspect the inside and outside of the stanchion for scratches and other damage. Inspect rebound damper for damage and replace if necessary.



- 1 Install rebound damper assembly into stanchion. Rotating clockwise, start the end cap threads by hand to prevent cross-threading. Using a 22mm crow's foot and torque wrench, torque to 80-100 in lb [9.0-11.3 N m].”



# CASTING INSTALL

1

Before filling the fork with fork oil and installing the compression damper, we must first install the casting. This ensures a correct oil level. First, apply a thin layer of either Slickoleum grease or semi-bath oil to the inside surface of the fork seal.



1

Tightly assemble shock pump fitting to comp rod end fitting. Inflate the air spring to 50 PSI. The air spring should not move during inflation. With the shock pump still attached, pull on the comp rod to full extension (you should feel some compression of the internal top-out bumper). Remove the shock pump. This process will ease casting installation.



1

Fully extend the rebound damper rod.



# CASTING INSTALL

1

Slide casting onto the stanchion assembly. Only slide the casting down about halfway at this point. Take care that the seal lips do not fold over upon installation.



1

Insert 7cc of semi-bath into each casting leg. Once the semi-bath is in the legs, slide the casting the rest of the way onto the stanchion assembly.



1

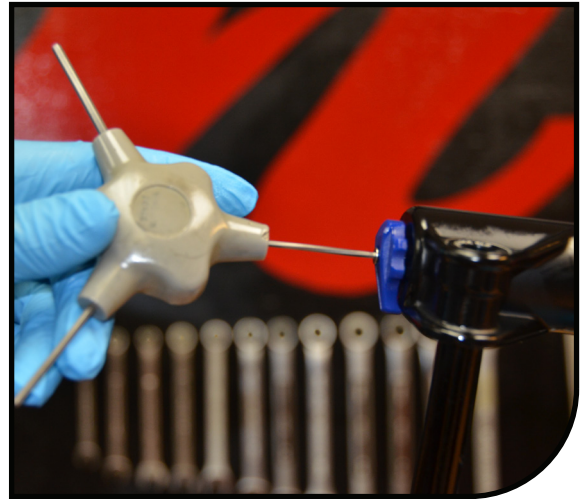
Using an 8mm Hex wrench and torque wrench, tighten the rebound damper rod to 5,7-6,4 N-M [50-57 LB-IN] by turning them counter-clockwise. Do not overtighten, as doing so can damage the end of the rods.



# CASTING INSTALL

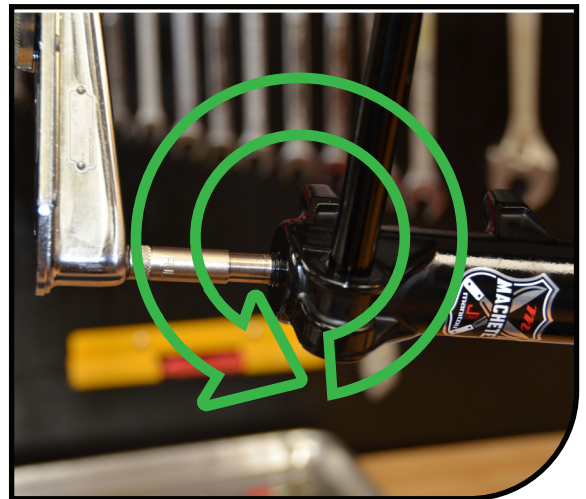
1

Install rebound knob. Holding the knob steady, use a 2mm hex wrench to assemble the rebound knob screw (rotating clockwise) and torque to 0.5- 0.7 in lb [4-6 N m].



1

Using the Manitou 8mm Thin Wall Socket and torque wrench, turn the compression rod counter-clockwise. Torque to 5,7-6,4 N-M [50-57 LB-IN]. Do not overtighten, as doing so can damage the end of the rods.



# COMPRESSION DAMPER INSTALL

1

Pour 5wt Maxima fork oil into the damper leg. Fill it up about  $\frac{3}{4}$  full.



1

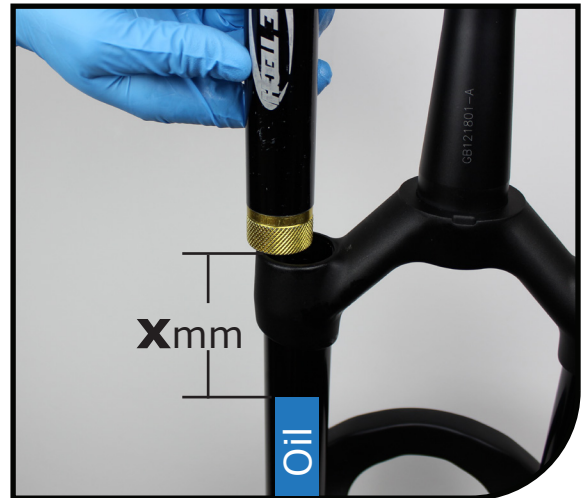
Install the axle into the fork without a hub or wheel. Cover the damper leg opening with a lint-free towel. Using a wood block or similar raised support underneath the axle, compress the fork 10-15 times.

Notice: The raised support should be wide enough and long enough to safely support the axle as well as tall enough to eliminate contact between the floor and the comp rod end fitting or rebound knob. Do not overtighten the axle bolt.



# COMPRESSION DAMPER INSTALL

- 1 Pour additional 5wt fork oil into the damper leg until the oil height (space from the top of the damper leg to the top of the oil) is set at the proper level of 73mm for 20" Forks and 85mm for 24" Forks. An oil height setting tool used for motorcycle forks (similar to the one pictured) makes this job easier.



- 1 Turn adjuster hex on damper all the way counter-clockwise and install the Absolute+ damper into the fork.



- 1 Using Manitou 24mm Flat Ground Socket and a torque wrench, rotate the compression damper top cap clockwise and tighten to 45-55 in lb [5.1-6.2 N m].



# COMPRESSION DAMPER INSTALL

1

Install the detent springs and balls into the top cap, with one set oriented 180 degrees from the other. A small amount of grease may be used to hold the detents in place. Install the adjuster knob. Holding the knob steady, use a 2mm hex wrench to assemble the adjuster knob screw (rotating clockwise) and torque to 0.5-0.7 in lb [4-6 N m].



1

Tightly assemble a shock pump to the comp rod end fitting and fill to desired air spring pressure, occasionally pulling the casting away from the CSA as air is added. The recommended starting pressures are shown in the charts on the next page. Remove the shock pump and clean the fork with isopropyl alcohol.”

Notice:

Lightly pulling the casting away from the CSA during air fill ensures full extension of the fork and proper air spring performance.



# RECOMMENDED STARTING PRESSURE

## EXPERT AIR 100-120MM TRAVEL – 20” WHEEL

| Rider Weight |     | Air Pressure |         |
|--------------|-----|--------------|---------|
| LBS          | KGS | PSI          | [BAR]   |
| 30           | 14  | 20-24        | 4.4-1.6 |
| 45           | 20  | 30-36        | 2.0-2.5 |
| 60           | 27  | 40-48        | 2.7-3.3 |
| 75           | 34  | 49-59        | 3.4-4.1 |
| 90           | 41  | 59-71        | 4.1-4.9 |

**!WARNING!**

MAX PRESSURE NOT TO EXCEED 120 PSI [8.3 BAR]

## EXPERT AIR 100-120MM TRAVEL – 24” WHEEL

| Rider Weight |     | Air Pressure |         |
|--------------|-----|--------------|---------|
| LBS          | KGS | PSI          | [BAR]   |
| 40           | 18  | 31-37        | 2.1-2.5 |
| 60           | 27  | 46-55        | 3.2-3.8 |
| 80           | 36  | 62-74        | 4.3-5.1 |
| 100          | 45  | 77-92        | 5.3-6.4 |
| 120          | 54  | 92-111       | 6.3-7.6 |

**!WARNING!**

MAX PRESSURE NOT TO EXCEED 120 PSI [8.3 BAR]

## EXPERT AIR 120MM-145MM TRAVEL – 24” WHEEL

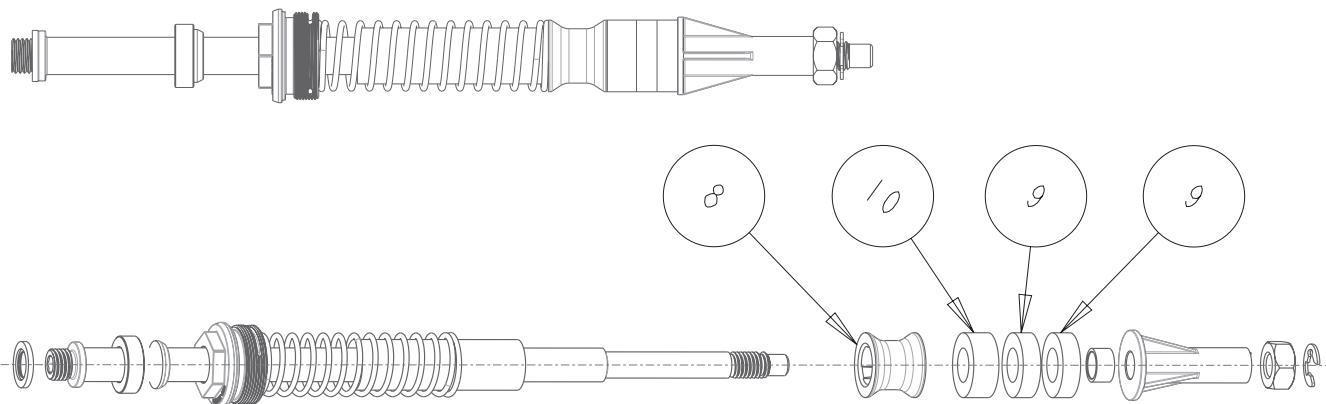
| Rider Weight |     | Air Pressure |         |
|--------------|-----|--------------|---------|
| LBS          | KGS | PSI          | {BAR}   |
| 40           | 18  | 25-31        | 1.8-2.1 |
| 60           | 27  | 38-46        | 2.6-3.2 |
| 80           | 36  | 51-62        | 3.5-4.3 |
| 100          | 45  | 63-77        | 4.4-5.3 |
| 120          | 54  | 76-92        | 5.3-6.3 |

**!WARNING!**

MAX PRESSURE NOT TO EXCEED 120 PSI [8.3 BAR]

# SPORT TS AIR TRAVEL CHANGE

To begin, remove the retaining ring and nut. Next, slide the top-out piston seat off of the compression rod. Adjust the spacer according to the chart below, referencing the appropriate travel and wheel size. Once the spacer is correctly positioned, install the top-out piston seat back onto the compression rod. Reinstall the nut and torque it to 2.8–3.3 Nm (25–30 in-lb). Finally, reinstall the retaining ring. For further assembly, refer to the air piston installation procedure detailed on page 14.



**NOTE:** Drawing above is a sample air spring and includes the 7.5mm, 10mm, and 20mm spacers. The JUNIT 20" does not use the 7.5mm spacer.

| SPACER REFERENCE |       |
|------------------|-------|
| NUMBER           | WIDTH |
| #8               | 20mm  |
| #9               | 7.5mm |
| #10              | 10mm  |

## SPACER ADDITIONS FOR DESIRED TRAVEL

### 20" FORKS

| TRAVEL | 7.5mm SPACER | 10mm SPACER | 20mm SPACER |
|--------|--------------|-------------|-------------|
| 20"    |              |             |             |
| 120mm  |              | 0           | 0           |
| 110mm  |              | 1           |             |
| 100mm  |              |             | 1           |
| 90mm   |              | 1           | 1           |
| 80mm   |              |             | 2           |

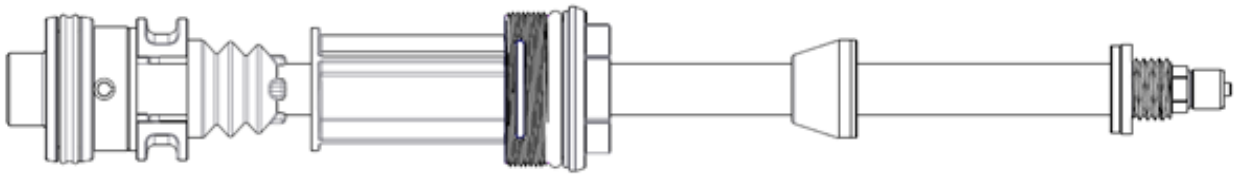
### 24" FORKS

| TRAVEL | 7.5mm SPACER | 10mm SPACER | 20mm SPACER |
|--------|--------------|-------------|-------------|
| 24"    |              |             |             |
| 145mm  | 0            | 0           | 0           |
| 130mm  | 2            |             |             |
| 120mm  | 2            | 1           |             |
| 110mm  | 2            |             | 1           |
| 100mm  | 2            | 1           | 1           |
| 90mm   | 2            |             | 2           |
| 80mm   | 2            | 1           | 2           |

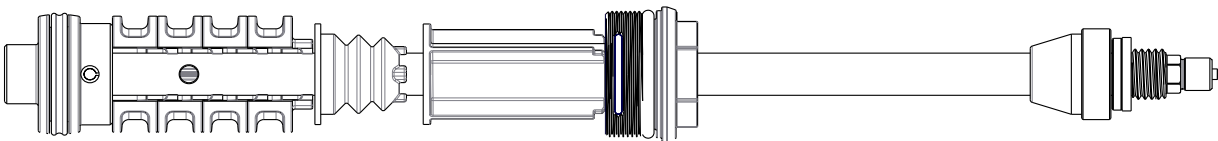
# JUNIT 32 COMP TRAVEL CHANGE

In order to change the travel of your JUNIT 32 COMP (20” and 24”), first remove the compression rod assembly. For instructions on how to do this, refer to page 14. Once the rod is removed, arrange the travel spacers into the desired amount of travel using the following charts.

## JUNIT 32 COMP SPACER DIAGRAM



| TRAVEL | SPACERS |
|--------|---------|
| 120mm  | 0       |
| 110mm  | 1       |
| 100mm  | 2       |
| 90mm   | 3       |
| 80mm   | 4       |



| TRAVEL | SPACERS |
|--------|---------|
| 145mm  | 0       |
| 130mm  | 1       |
| 120mm  | 2       |
| 110mm  | 3       |
| 100mm  | 4       |

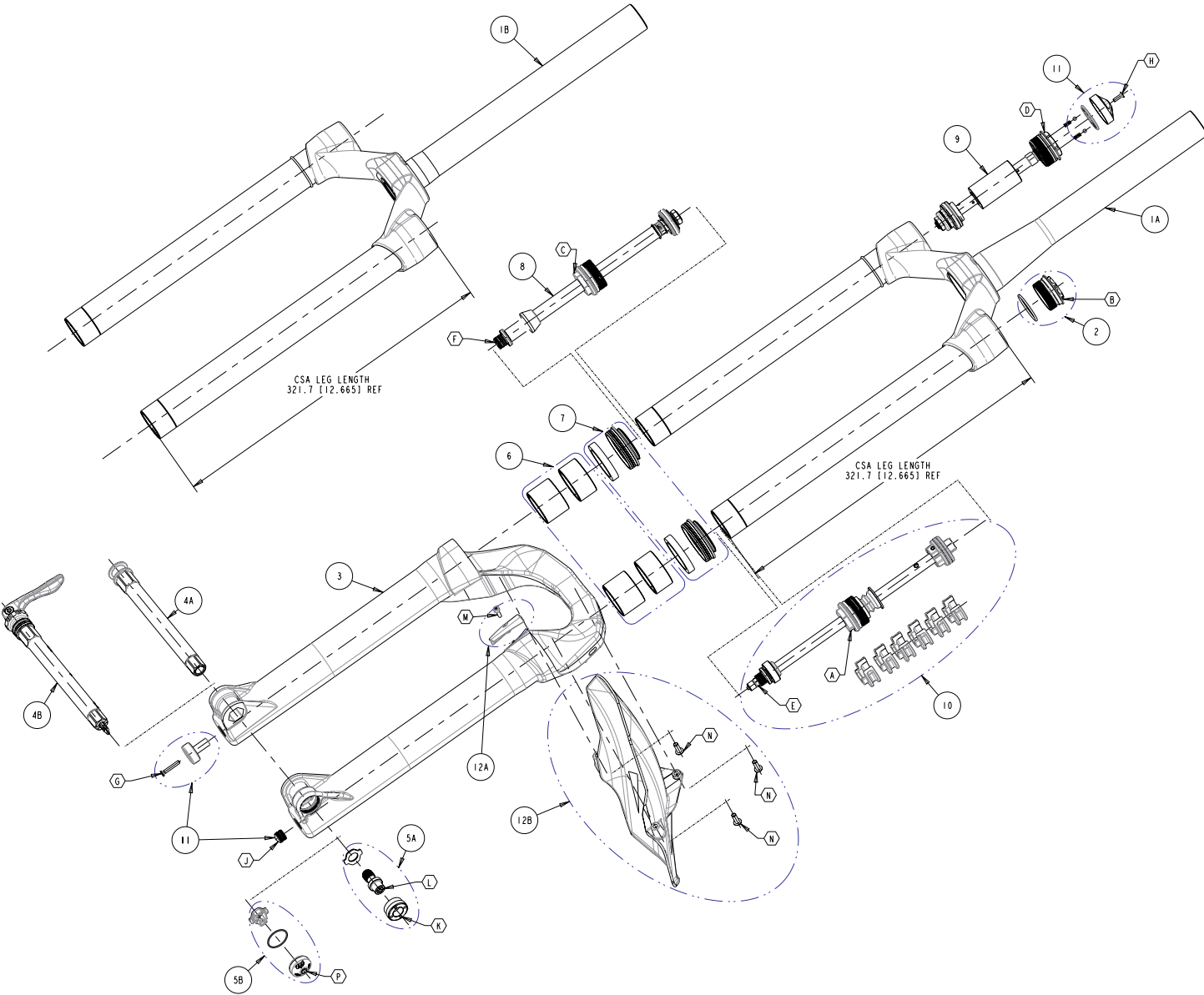
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# JUNIT COMP 20 EXPLODED VIEW

| ITEM | PART DESCRIPTION                                                         | KIT NUMBER     |
|------|--------------------------------------------------------------------------|----------------|
| 1A   | KIT, CSA 32 80-120, TPR 10.25MM OS, MBLK, BLK LEG                        | 141-36683-K001 |
| 1B   | KIT, CSA 32MM 80-120, AST 10.25MM OS, MBLK, BLK LEG                      | 141-36683-K034 |
| 2    | KIT, NON - IVA TOP CAP, 32MM                                             | 141-36683-K011 |
| 3    | KIT, CASTING, 32MM 20" MBLK (INCL. BUSHINGS AND SEALS)                   | 141-36683-K003 |
| 4A   | KIT, AXLE, HEXLOCK LIGHTWEIGHT (INCL. HARDWARE)                          | 141-33147-K005 |
| 4B   | KIT, AXLE, QR15 BOOST (OPTION, REPLACES 5A, INCL. HARDWARE)              | 141-28131-K028 |
| 5A   | KIT, HARDWARE, HEXLOCK AXLE                                              | 141-33147-K003 |
| 5B   | KIT, HARDWARE, QR15 AXLE                                                 | 141-28131-K024 |
| 6    | KIT, BUSHING 32MM                                                        | 85-5964        |
| 7    | KIT, SEAL 32MM                                                           | 85-5293        |
| 8    | KIT, REBOUND DAMPER, 20" 80-120                                          | 141-36683-K007 |
| 9    | KIT, COMPRESSION DAMPER, ABS+, 20" YOUTH SOFT TUNE (INCL. ADJUSTER KNOB) | 141-36683-K037 |
| 10   | KIT, EXPERT AIR, 32MM 20" 80-120 (PROGRESSIVE SPRING CURVE)              | 141-36683-K005 |
|      | KIT, EXPERT AIR, 32MM 20" 80-120, SM NEG (LINEAR SPRING CURVE)           | 141-36683-K032 |
| 11   | KIT, 32MM KNOB, ABS+ & ADJ. RBND                                         | 141-27177-K003 |
| 12A  | KIT, HOSE CLAMP, MY20 MEZZER & KIDS FORK                                 | 141-36103-K003 |
| 12B  | KIT, FENDER, MY20 MEZZER & KIDS FORK (INCL. ITEM 12A)                    | 141-36103-K001 |
| REF  | KIT, IVA, 32MM SHORT (OPTION, REPLACES ITEM 2)                           | 141-32668-K011 |
| REF  | KIT, DECAL, MY23 JUNIT CMP/SPRT 20" FOR MBLK                             | 141-36683-K039 |
| REF  | KIT, MILO FOR ABS+ (INCL. KNOB, LEVER, CABLE, & HARDWARE)                | 193-24931-C001 |
| REF  | KIT, MILO REMOTE LOCKOUT LEVER & CABLE                                   | 141-31975-K003 |
| REF  | KIT, REBUILD 32MM                                                        | 141-28528-K010 |

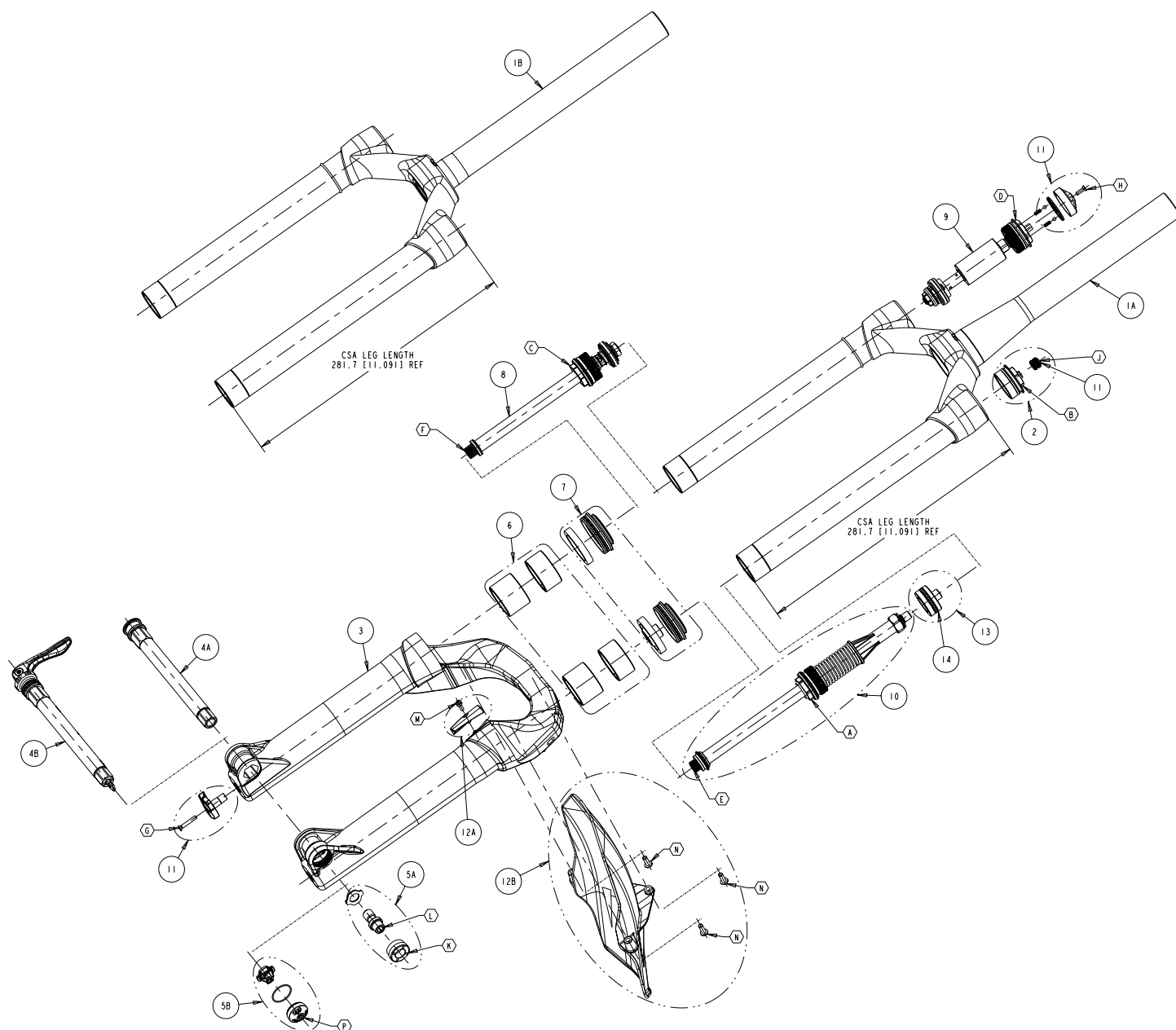
# JUNIT COMP 24 EXPLODED VIEW



# JUNIT COMP 24 EXPLODED VIEW

| ITEM | PART DESCRIPTION                                                        | KIT NUMBER     |
|------|-------------------------------------------------------------------------|----------------|
| 1A   | KIT, CSA 32MM 80-145, 24" 1.5-TPR 42MM OS, MBLK, BLK LEG                | 141-36683-K002 |
|      | KIT, CSA 32MM 80-145, 24" 1.5-TPR 40MM OS, MBLK, BLK LEG                | 141-36683-K013 |
| 1B   | KIT, CSA 32MM 80-145, 24" 1-1/8-AST 40MM OS, MBLK, BLK LEG              | 141-36683-K035 |
| 2    | KIT, NON-IVA TOP CAP, 32MM                                              | 141-36683-K011 |
| 3    | KIT, CASTING, 32MM 24" MBLK (INCL. BUSHINGS AND SEALS)                  | 141-36683-K004 |
| 4A   | KIT, AXLE, HEXLOCK LIGHTWEIGHT (INCL. HARDWARE)                         | 141-33147-K005 |
| 4B   | KIT, AXLE, QR15 BOOST (OPTION, REPLACES 5A, INCL. HARDWARE)             | 141-28131-K028 |
| 5A   | KIT, HARDWARE, HEXLOCK AXLE                                             | 141-33147-K003 |
| 5B   | KIT, HARDWARE, QR15 AXLE                                                | 141-28131-K024 |
| 6    | KIT, BUSHING 32MM                                                       | 85-5964        |
| 7    | KIT, SEAL 32MM                                                          | 85-5293        |
| 8    | KIT, REBOUND DAMPER, 24" 80-145                                         | 141-36683-K008 |
| 9    | KIT, COMPRESSION DAMPER, ABS+, YOUTH SOFT TUNE (INCLUDES ADJUSTER KNOB) | 141-36683-K038 |
| 10   | KIT, EXPERT AIR, 32MM 24" 80-145                                        | 141-36683-K006 |
| 11   | KIT, 32MM KNOB, ABS+ & ADJ RBND                                         | 141-36683-K006 |
| 12A  | KIT, HOSE CLAMP, MY20 MEZZER & KIDS FORK                                | 141-36103-K003 |
| 12B  | KIT, HOSE CLAMP, MY20 MEZZER & KIDS FORK                                | 141-36103-K001 |
| REF  | KIT, IVA, 32MM SHORT (OPTION, REPLACES ITEM 2)                          | 141-32668-K011 |
| REF  | KIT, DECAL, MY23 JUNIT CMP/SPRT 24" FOR MBLK                            | 141-36683-K040 |
| REF  | KIT, ASSY, MILO FOR ABS+ (INCL. KNOB, LEVER, CABLE, & HARDWARE)         | 193-24931-C001 |
| REF  | KIT, ASSY, MILO REMOTE LOCKOUT LEVER & CABLE                            | 141-31975-K003 |
| REF  | KIT, REBUILD 32MM                                                       |                |

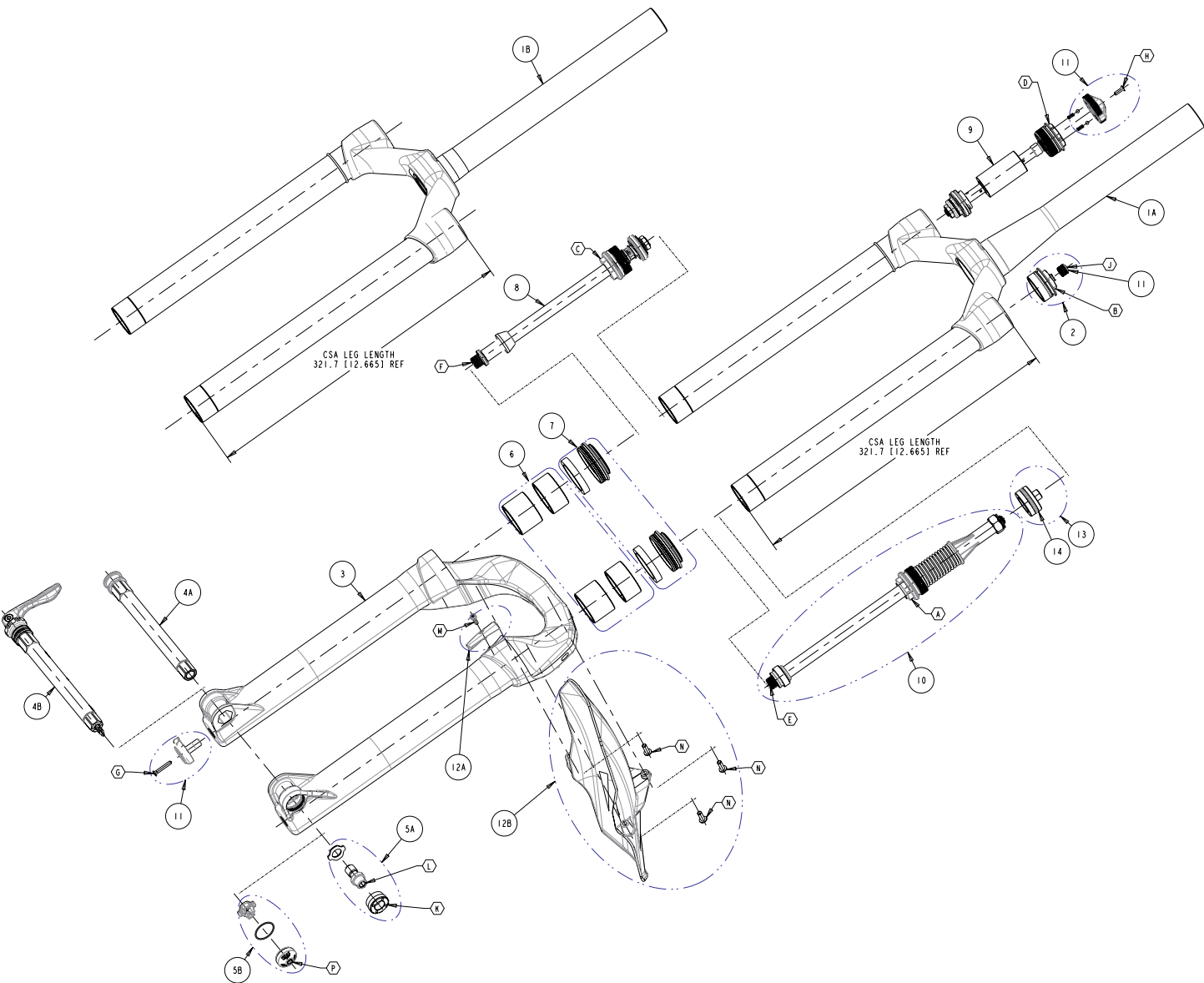
# JUNIT SPORT 20 EXPLODED VIEW



# JUNIT SPORT 20 EXPLODED VIEW

| ITEM | PART DESCRIPTION                                                                    | KIT NUMBER     |
|------|-------------------------------------------------------------------------------------|----------------|
| 1A   | KIT, CSA 32MM 20" 80/100/120, 1.5-TPR 400S, MBLK, BLK LEG                           | 141-36683-K001 |
| 1B   | KIT, CSA 32MM 20" 80/100/120, 1-1/8"-AST 400S, MBLK, BLK LEG                        | 141-36683-K034 |
| 2    | KIT, TOP CAP, TS AIR 32MM, M30X1 THREAD                                             | 83-3150        |
| 3    | KIT, CASTING, 32MM 20" MBLK (INCL. BUSHINGS AND SEALS)                              | 141-36683-K003 |
| 4A   | KIT, AXLE, HEXLOCK LIGHTWEIGHT (INCL. HARDWARE)                                     | 141-33147-K005 |
| 4B   | KIT, AXLE, QR15 BOOST (OPTION, REPLACES 5A, INCL. HARDWARE)                         | 141-28131-K028 |
| 5A   | KIT, HARDWARE, HEXLOCK AXLE                                                         | 141-33147-K003 |
| 5B   | KIT, HARDWARE, QR15 AXLE                                                            | 141-28131-K024 |
| 6    | KIT, BUSHING 32MM                                                                   | 85-5964        |
| 7    | KIT, SEAL 32MM                                                                      | 85-5293        |
| 8    | KIT, REBOUND DAMPER, 20" 80-120                                                     | 141-36683-K007 |
| 9    | KIT, COMPRESSION DAMPER, ABS+, 20" YOUTH SOFT TUNE (INCLUDES ADJUSTER KNOB)         | 141-36683-K037 |
| 10   | KIT, TS AIR, 32MM 20" 80-120                                                        | 141-36683-K014 |
| 11   | KIT, 32MM KNOB, ABS+ & ADJ. RBND                                                    | 141-36683-K015 |
| 12A  | KIT, HOSE CLAMP, MY20 MEZZER & KIDS FORK                                            | 141-36103-K003 |
| 12B  | KIT, FENDER, MY20 MEZZER & KIDS FORK (INCL. 12A)                                    | 141-36103-K001 |
| 13   | KIT, AIR PISTON, TS AIR 32MM                                                        | 141-33383-K002 |
| 14   | KIT, AIR PISTON SEAL, TS AIR 32MM                                                   | 141-28131-K025 |
|      | KIT, DECAL, MY23 JUNIT COMP/SPORT 20"                                               | 141-36683-K039 |
|      | KIT, ASSY, MILO AL W/CABLE & HOUSING                                                | 193-24931-C001 |
|      | KIT, ASSY, MILO REMOTE LOCKOUT, LEVER & CABLE                                       | 141-31975-K003 |
|      | KIT, REBUILD 32MM                                                                   | 141-28528-K010 |
|      | KIT, MATTOC SERVICE TOOL (8MM THIN-WALL SOCKET, 24MM FLAT SOCKET, & END CAP SOCKET) | 172-31133      |

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# JUNIT SPORT 24 EXPLODED VIEW

| ITEM | PART DESCRIPTION                                                                    | KIT NUMBER     |
|------|-------------------------------------------------------------------------------------|----------------|
| 1A   | KIT, CSA 32MM 100/145, 1.5-TPR, 420S, MBLK, BLK LEG                                 | 141-36683-K002 |
|      | KIT, CSA 32MM 100/145, 1.5-TPR, 400S, MBLK, BLK LEG                                 | 141-36683-K013 |
| 1B   | KIT, CSA 32MM 100/145, 1-1/8-AST, 400S, MBLK, BLK LEG                               | 141-36683-K035 |
| 2    | KIT, TOP CAP, TS AIR 32MM, M30X1 THREAD                                             | 83-3150        |
| 3    | KIT, CASTING, 32MM 24" MBLK (INCL. BUSHINGS AND SEALS)                              | 141-36683-K004 |
| 4A   | KIT, AXLE, HEXLOCK LIGHTWEIGHT (INCL. HARDWARE)                                     | 141-33147-K005 |
| 4B   | KIT, AXLE, QR15 BOOST (OPTION, REPLACES 5A, INCL. HARDWARE)                         | 141-28131-K028 |
| 5A   | KIT, HARDWARE, HEXLOCK AXLE                                                         | 141-33147-K003 |
| 5B   | KIT, HARDWARE, QR15 AXLE                                                            | 141-28131-K024 |
| 6    | KIT, BUSHING 32MM                                                                   | 85-5964        |
| 7    | KIT, SEAL 32MM                                                                      | 85-5293        |
| 8    | KIT, REBOUND DAMPER, 24" 100/145                                                    | 141-36683-K008 |
| 9    | KIT, COMPRESSION DAMPER, ABS+, 24" YOUTH SOFT TUNE (INCLUDES ADJUSTER KNOB)         | 141-36683-K038 |
| 10   | KIT, TS AIR, 32MM 24" 100-145                                                       | 141-36683-K014 |
| 11   | KIT, 32MM KNOB, ABS+ & ADJ RBND                                                     | 141-36683-K015 |
| 12A  | KIT, HOSE CLAMP, MY20 MEZZER & KIDS FORK                                            | 141-36103-K003 |
| 12B  | KIT, FENDER, MY20 MEZZER & KIDS FORK (INCL. 12A)                                    | 141-36103-K001 |
| 13   | KIT, AIR PISTON, TS AIR 32MM                                                        | 141-33383-K002 |
| 14   | KIT, AIR PISTON SEAL, TS AIR 32MM                                                   | 141-28131-K025 |
|      | KIT, DECALS, MY23 JUNIT COMP/SPORT 24" FOR MBLK                                     | 141-36683-K040 |
|      | KIT, ASSY, MILO AL W/CABLE & HOUSING                                                | 193-24931-C001 |
|      | KIT, ASSY, MILO REMOTE LOCKOUT, LEVER & CABLE                                       | 141-31975-K003 |
|      | KIT, REBUILD 32MM                                                                   | 141-28528-K010 |
|      | KIT, MATTOC SERVICE TOOL (8MM THIN-WALL SOCKET, 24MM FLAT SOCKET, & END CAP SOCKET) | 172-31133      |

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