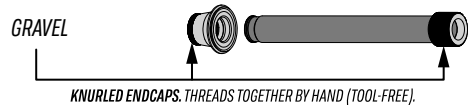
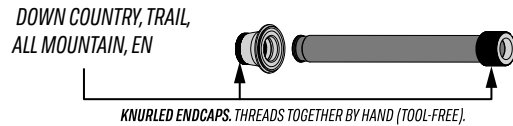


IDENTIFY YOUR HUB AND AXLE *INSTRUCTIONS APPLY TO ALL DRIVER CONFIGURATIONS

PIEDMONT



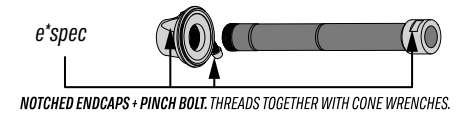
OPTIMUS, SYLVAN, GRAPPLER EN



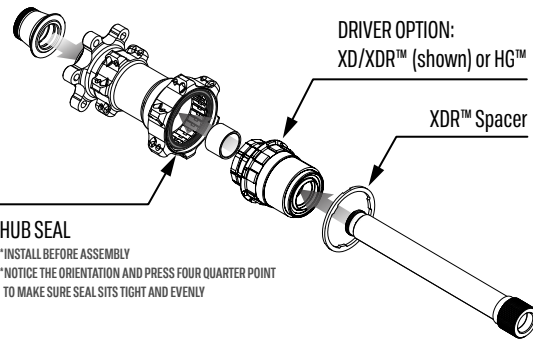
GRAPPLER DH



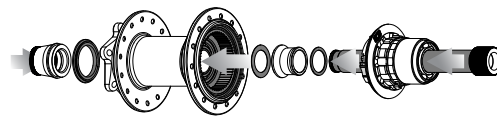
e*spec



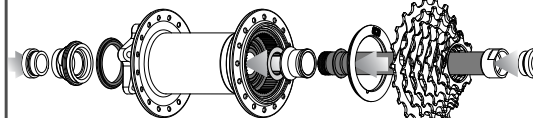
REAR HUB W/ ALUMINUM AXLE



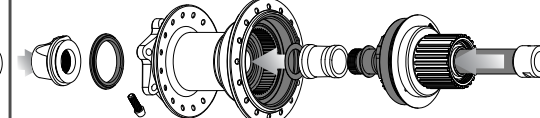
REAR HUB W/ ALUMINUM AXLE



REAR HUB W/ STEEL AXLE



REAR HUB W/ STEEL AXLE + PINCH BOLT



GREASE

GREASE

GREASE

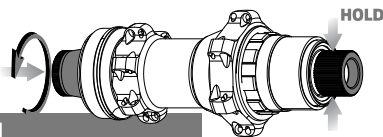
SHIM + FREEHUB SPACER INSTALLATION

ALL HUBS FOUND ON OPTIMUS, SYLVAN, GRAPPLER AND E*SPEC WHEELS REQUIRED SHIM / FREEHUB SPACER ASSEMBLY AS SHOWN HERE



GREASE

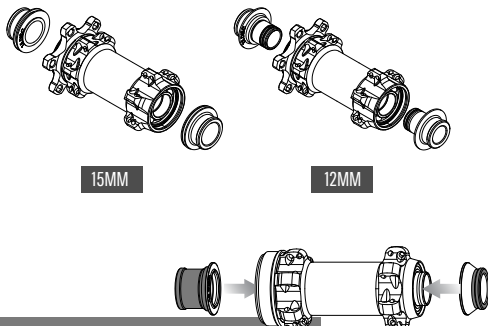
*APPLY GREASE AFTER MAINTENANCE



INSTALLATION
PUSH INWARD, ROTATE CLOCKWISE UNTIL ENDCAP SPINS FREELY*

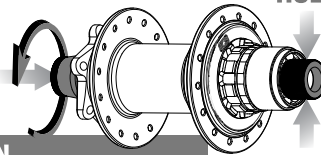
*FOR REMOVAL, ROTATE COUNTER-CLOCKWISE

FRONT HUB (ALL WHEELS)



INSTALLATION

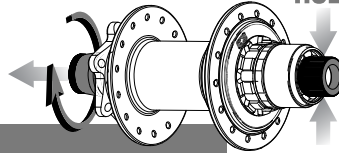
HOLD



INSTALLATION
PUSH INWARD, ROTATE CLOCKWISE UNTIL ENDCAP SPINS FREELY*

*BEFORE INSTALLED ON BIKE, A SMALL AMOUNT OF SIDE-TO-SIDE PLAY IS NORMAL

HOLD



REMOVAL
PULL OUTWARD, ROTATE COUNTER-CLOCKWISE

INSTALLATION
USING CONE WRENCHES, ROTATE CLOCKWISE UNTIL SNUG, THEN ADD 90°

CONE WRENCH
DRIVE SIDE: 17MM
NON-DRIVE SIDE: 20MM*
*some older models of TRS/IGI EN use 18mm

REMOVAL
USING CONE WRENCHES, ROTATE COUNTER-CLOCKWISE

FRONT HUB (ALL WHEELS)

INSTALLATION
USING CONE WRENCHES, ROTATE CLOCKWISE UNTIL SNUG, THEN ADD 90°. TIGHTEN PINCH BOLT TO 3Nm

CONE WRENCH
DRIVE SIDE: 17MM
NON-DRIVE SIDE: 20MM*
*some older models of TRS/IGI EN use 18mm

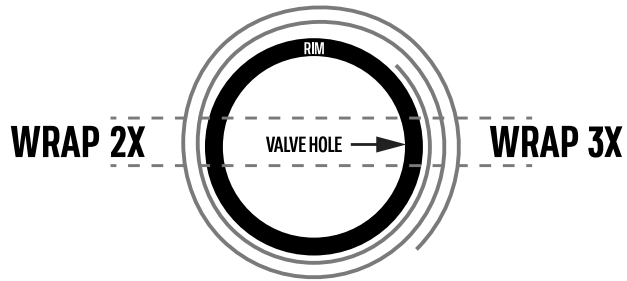
REMOVAL
LOOSEN PINCH BOLT. USING CONE WRENCHES, ROTATE ENDCAPS COUNTER-CLOCKWISE

GREASE

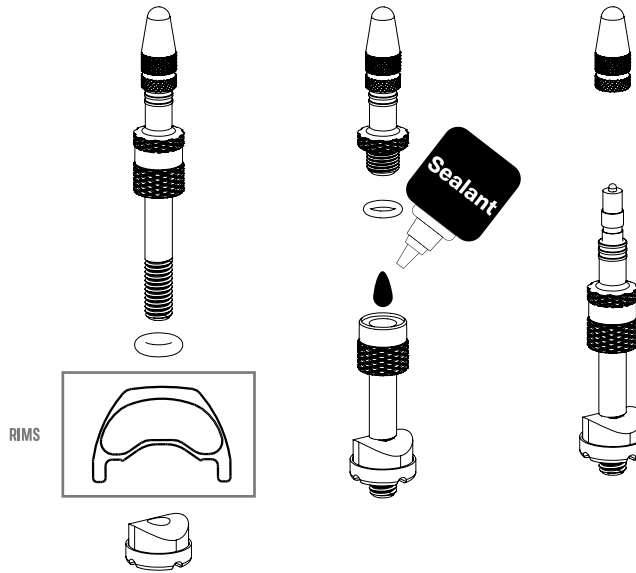
INSTALLATION

REMOVAL

TUBELESS TAPE



e*thirteen GEN 2 VALVE



TUBELESS SEALANT + TIRE

