

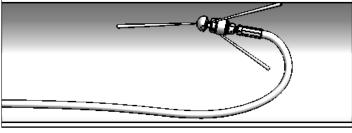
8 YgW]dh]cb.

Ŷ@♠¸ãç^|ÆapÁœÁdæã‡,@Á|[¸Ёc@`Áa^∙ã;}∱ãç@ÁæÁ¸ã;*|çÁ@ã@Á;¦^••ў¦ŗÁ;^æpĚÁV@Á;ÙÁãpÁææd;æà|^Á;Ą;¦\ã;*Á;¦^••Ў¦^•Á〕Á[Á(Á€€€Á)•ãÁÇHÍ€Áaæ DÁæ;åÁ[¸Áææ∿•Á;ÆÁ ÁG€Á]{ÉÁ ão @Á[caéaā[}Á]^^å•Á√[{~ÃG€€Á[Á,€€Á]{ÉBÁ/@Á}}ãóÁs Áā|^åÁ,ão @ÁsAÁ©BAÁ\$BA\Áçã &[*•Á¦*ãáÁs@BAÁS}[}d[|•Ás@Á[caéaā[}Á]^^åĚ

\(\bar{V\@\approx\appro

CdYfUncb.

Ó^-['^Á8[]}^8cā * Ás@Át[|ÁţÁs@Á^} åÁ; Ás@ÁQ•^ÊH*• ØÁs@Áo œ^'ÁQ•^ÁţÁ^{ [ç^Á å^à!ā ĒÁUæ••ÁQ•^Á^} åÁs@[** ØÁs@ÁQ•^Á* æåÁ; IÁVā*/IÁVæ¾ÁsÁ; }^ÆsÁ^ā *Á•^åEÁ Occæ8c®Á@Át[|Át Ás@Á^} åÁ; Ás@ÁQ•^IÁ, ^Á^8[{ ^}åÁ•ā *Ár-I]} Ásæj ^Át ÁræjÁs@Á c@^æå•ĒÁU[•ātā }Ás@Á*] Ás@ÁQ å¸ Át ÁsæÁQ ÁQ•^IÁ, ^Á^8[{ ^}åÁ•ā *Ár-I]} Ásæj ^Át ÁræjÁs@Á c@^æå•ĒÁU[•ātā }Ás@ÁQ ÁT IJÁ; Á



8 c'bchi gY'h Y'K G']b', ']bW 'cf"Uf[Yf'd]dY'g]nYgžUg'h Y'hcc"WUb'hi fb'Ufci þX' UbXWca YVUW rck UfXh Ycd Yf Urcf zwuj gjbj gyfjei gjb1 fmcf XYUh EÁ

H\Y'K G`\Ug'U'g]b[`Y'\][\'dfYggi fY'gYU'ž`cWUhYX'i bXYf'h\Y'=b`YhBi H''=hg\ci`X'VY'fYd`UWYX'k\Yb'k UhYf']g'Wca]b['ci h

cZh\Y'k YYd`\ c`Y'UhcdYfUh]b['dfYggi fY"'f#ha Um ˈYU_ˈ]bhYfa]lhYbhmUhHUdˈdfYggi fYg/ˈh\]gˈ]gˈbcfa Ư 'Ł

Hfci V`Yg\ cchjb[.

(YUX gd]bg hc ZUgh ÁQ/án Áã ^ É Á@æÁ@ Á, ã / ÁæÁ@ Á, ã Á Á, Ápã & É Á, án ÉÁ, á

A Ulbhyb UbW.

ghcf]b["hcc"

Hc 'Z]``'l\ Y'K G'k]l\ 'j]gWci g'Zi]X.

Hc fYd UWY h Y][\ dfYggi fY gYU. CHÁNU^{[c^\angle Au]|\dangle Au]|\dangle Au]\dangle Au Agoratecî DA\[{\angle Ac@\dangle Acoratecî DA\[{\angle Acoratecî Acoratecî DA\[{\angle Acorateci DA FBÀP[|åÅÓ[å^ÁQYÙÁ€€HDÁà^Á|ææ•ÉÁ}•&¦^,Ás@ÁQ\|^oÁÞ`óÁ ¢ ùÆ€ŒŒ GEÂÛ^{ [ç^ÂÛ^æÁÇÜRÁEFFDÁæ) å ÁP EÚBÂÛ^æAÇÜRÁEFGÊ/UDÁ -{[{ ÁÛ@œdAa[¦^È HÊÂÛ^{ [ç^Á^;a]*^LÁB,•cæ|ÁÚ[¦cÁÛ&¦^, È Y^^] Æ[|^ ão Áão Á j → QÁ, ão QÁo Q Â J Qœo Á } å È |ãoc|^ÂaãoÁa`oÁ,[oÁæe|Åo@Á,æêÁq£Áo@Áa[oc[{È ÓRÆĞÎ Ú[¦ŒÛ&!^. Í ÈÁÁV@,^æåÁQ,|^œÁÞ`œÁŞ of ÁÓ[å^ÊÁc∄ @c^}Á(fÁH€ÁcЁàÈ YÙÆI€ËÜHÁ¦¦ Ÿ Ū́ÆI €ËÜÍ Ô@æ{,~^¦^å Øæ&^ÁN] P^æå ÓRÆĞÎ ÜRÆFF Y ÙÆŒŒŒŰÎÛÎ Ú[¦ŒÛ&¦^, U^æc [¦ YÙÆEGËÜÌ Y ÙÆ€H Y ÙÆ€ŒÖÜÚÚÚÌ Ølæc Ó[å^ Øæ&^ ÜRÆFŒJU ÜRÆFF Y ÙÆGJ PEUEAU^æ Ú^æc U@eeoAU^æ V,R**Á€€**Ï ÜŖÆĘŒÜ/U Ó^æaaa * ÁQ+D PĚĽÁÚ^æ

> Y ÙÆ€F Ùœec

Q[¦Áx^\{•Áxx}åÁx[}åããã]}•Á;Áxæ|^Áxæ|^Áx^\KÁ@cd;KED;; Èc[}^æ*^c[[•Èx]{Ex^\{•}

YÙÆ€GËÚÎ [¦ YÙÆ€ŒŒÜÌ

Q.|^oÁp~c

ÙÆ€€ŒÖÙÚÚÌ

Ø[¦Áæ]]|&Bæà|^Ájæe^}o•Á^^kÁ<u>@d;kED; Èæ}æe^}o•È&[{</u>

YÙÆFF€

Ù@eeoÁÙ^æ

ÜRÆ€Ì

UËÜĄ

YÙÆÈÌ€ Ô^} dæ|ã^¦ YÙPÆEHG Ü^cæajjāj* ÁÜāj

ÜRÁ€FŒŰU PĚÚŘÚ^æ

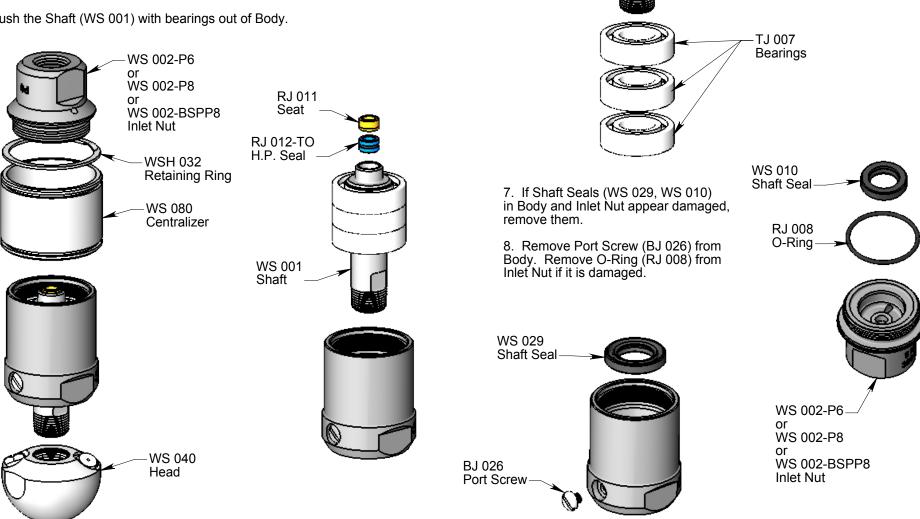
ÜRÆFF Ù^æc

SEWER NOZZLES BY **STONEAGE** ÚŠÁÍH ÁÁ ÁEI EÐÏ EÐÆFÏ ÁÙŒ[}^OË ^ÁÐÁŒ[Áܪ @ ÁÜ^•^¦ç^å

StoneAge® WARTHOG® Rotary Sewer Nozzle (WS-P6, WS-P8, WS-BSPP8)

Disassembly:

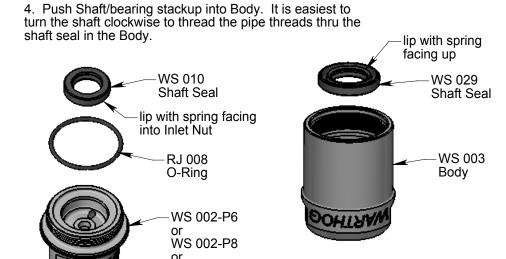
- 1. Remove the Head (WS 040) from the Shaft.
- 2. Unscrew the Inlet Nut (WS 002) from the Body.
- 3. Remove the Centralizer (WS 080) and Retaining Ring (WSH 032).
- 4. Remove the Seat (RJ 011) and H.P. Seal (RJ 012-TO) from the Shaft bore.
- 5. Push the Shaft (WS 001) with bearings out of Body.



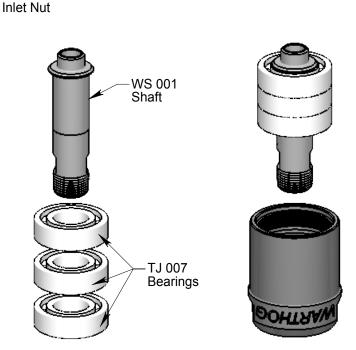
6. Press Shaft (WS 001) out of Bearings (TJ 007). If bearings feel rough to turn, replace them.

Assembly:

- 1. Install Shaft Seal (WS 010) in Inlet Nut (WS 002) oriented as shown. Place O-Ring (RJ 008) over threads of Inlet Nut.
- 2. Install Shaft Seal (WS 029) into Body, oriented as shown.
- 3. Press the Bearings (TJ 007) one at a time onto the Shaft. It is best to push only on the inner race of the bearing.



WS 002-BSPP8



5. Slide Centralizer (WS 080) over the Body.

WS 001

Shaft

- 6. Apply grease to the H.P. Seal (RJ 012-TO) and insert seal into Shaft bore, until flush with end of shaft.
- 7. Place the Seat (RJ 011) onto the Seal, with the flat face against the seal. (See detail in the Maintenance Section). Push both Seat and Seal a little way into the Shaft bore.
- 8. Place the Retaining Ring (WSH 032) against the shoulder past the threads of the Inlet Nut and thread into Body, tighten to 30 ft-lb.
- 9. Fill tool with syringe as shown in the Maintenance Section; install Port Screw (BJ 026).

