

This design replaces the old-style Impact Nut and Burn Ring with our proven Torque-Bolt design that eliminates the unsafe and labor-intensive practices of "pounding" and "burning."

The "Inner Nut" is semi-permanently installed to accommodate the "Clamp Plate". The "Inner Nut" is a one time modification that does not need to be removed during rebuild. The "Wear Ring" slides over the "Inner Nut" and rests on top of the mantle. The "Clamp Plate" sets on top of the "Wear Ring" and bolts down to the "Inner Nut"

(16) "Clamp Bolts" are torqued to apply downward pressure on the "Wear Ring" and lock the mantle in place. They are simply backed-out in order to loosen the "Clamp Plate" for removal.

The "Cover Plate" is tacked on top of the "Clamp Plate" to provide protection to the "Clamp Bolts."

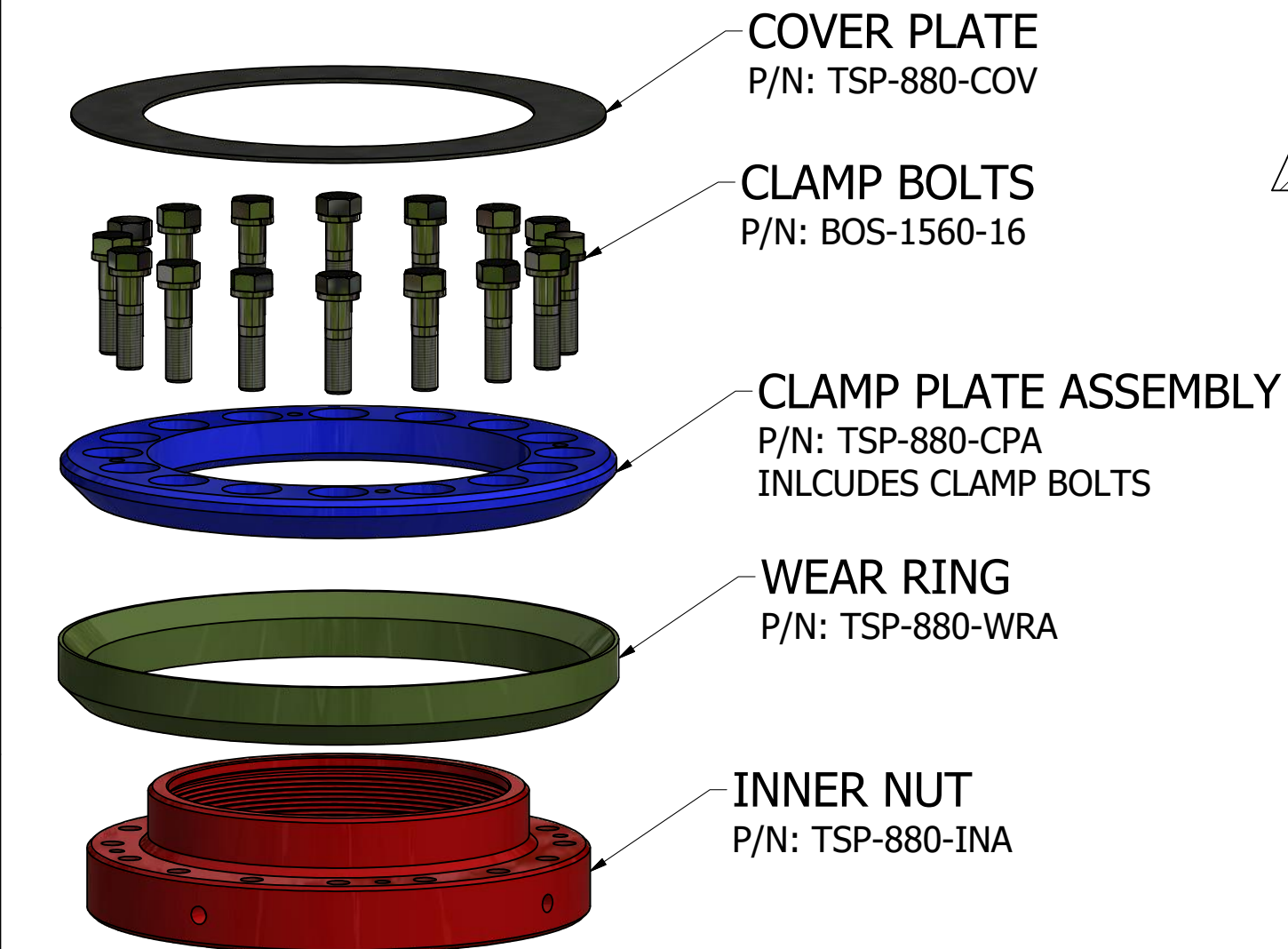
COVER PLATE
PROTECTS CLAMP BOLTS FROM WEAR

CLAMP BOLTS
TORQUED TO APPLY CLAMPING FORCE ON MANTLE

CLAMP PLATE ASSEMBLY
HOLDS WEAR RING AND MANTLE SECURELY IN PLACE

WEAR RING
FEATURES IMPROVED WEAR RESISTANCE
LOW REPLACEMENT COST

INNER NUT
REMAINS ON HEAD DURING REBUILD



MANTLE CLAMP ASSEMBLY

OEM CRUSHER NUT ASSEMBLY

H-8800 MANTLE CLAMP ASSEMBLY
P/N: TSP-880-MCA

PATENT PENDING

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REV.	DATE	DESCRIPTION
1		
2		
3		

DRAWING STATUS
PRELIMINARY
(NOT FOR CONSTRUCTION)
11 x 17 PAPER REQUIRED

DRAWING SCALE
NTS
DIM. SCALE
1 = 1"

H-8800 MANTLE CLAMP	PROJECT #
	PLANT:

TRI STAR DESIGN & MANUFACTURING, INC. www.tristardesign.net		
DATE 4/5/2018	DRAWING NO. TSP-880-GA	REV. 0