



The simple mounting method of the TS20 scraper provides for easy installation and chute alteration is kept to a minimum. Special design features have been incorporated into both Taurus scrapers with the maintenance person being the key to successful operation. A cradle (item 5) can be incorporated into the scraper (for belt widths of 900mm and above) on which the scraper is supported during removal and subsequent replacement. This allows the maintenance person to remove the scraper through the chute opening without the need of supporting the scraper from above or entering the chute from below. This cradle is only supplied if specifically ordered with the scraper.

WEEKLY INSPECTION

A VISUAL INSPECTION SHOULD BE MADE ON A WEEKLY BASIS. THE POINTS TO LOOK FOR ARE:

1. Unacceptable signs of carry back
(may require removing scraper and re-aligning blades)
2. Blades not in contact with the belt or vibrating
(Re-adjust the scraper to correct this problem)
3. Check for damaged rubber buffers and replace as necessary
4. Alignment of the plate the rubber buffer is bolted to.
This should be at right angles (90°) to the belt
5. Blockage of chute or build-up of material on or around the scraper
(Clean when necessary)
6. The tightness of all bolts accessible from the outside of the chute

MONTHLY INSPECTION

THE SCRAPER IS TO BE REMOVED FROM THE CONVEYOR AND THOROUGHLY CLEANED AND INSPECTED ONCE A MONTH ON A PLANNED OUTAGE. PARTICULAR ATTENTION SHOULD BE MADE TO THE FOLLOWING:

1. The overall blade alignment should be checked using a straight edge to ensure all blades will contact the belt. The blade wear will be greater in the centre relative to the outsides, since the majority of material carried will be supported on the centre of the belt. The Taurus blade design allows for vertical adjustment of the blade to accommodate for uneven wear. This is accomplished by loosening the blade retaining bolts then lifting the blade to align with the other blades (using the straight edge), followed by re-tightening the bolts.
2. Check to see if the blades are chipped. Badly damaged blades should be replaced with new blades.
3. Check all rubber buffers for damage and replace as necessary.
4. Check all bolts securing the blades and buffers to the scraper pipe are tight.
5. Reinstall scraper as per the adjustment instructions.

IMPORTANT NOTE

Care should be taken in setting the secondary scraper tension – only apply sufficient pressure to slightly deflect the rubbers. Over tensioning of rubbers will not improve cleaning efficiency, but will result in much reduced blade and conveyor belt top-cover life.

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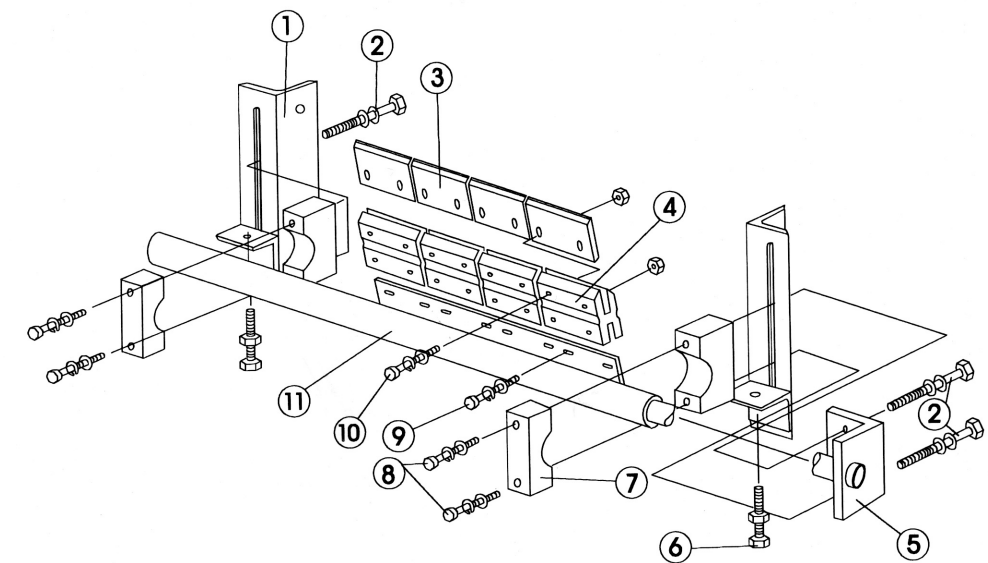
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TS20 Secondary Scraper

INSTALLATION AND MAINTENANCE INSTRUCTIONS



PARTS LIST

1. SUPPORT BRACKETS

2. MOUNTING CLAMP SET SCREW

- For belts up to and including 1350mm:
 - M12 x 40 Cradle Support Side (if supplied)
 - M12 x 30 Opposite Side

3. SCRAPER BLADE

- Individual unit 150mm wide

4. TENSIONING BUFFER (RUBBER)

5. SCRAPER SUPPORT CRADLE

- One (1) per assembly (if supplied)

6. SCRAPER ADJUSTING BOLT

- M12 x 75 set screw and nut

7. MOUNTING CLAMP

- Grade 303 Stainless Steel

8. MOUNTING CLAMP LOCKING BOLTS

- For belts up to and including 1350mm:
 - M12 x 60mm
- For belts widths 1500mm and above:
 - M16 x 75mm

9. SECURING BOLT

- M8 x 35 – Two (2) required per buffer

10. SECURING BOLT

- M8 x 35 – Two (2) required per blade

11. SCRAPER SUPPORT PIPE

- Stainless Steel