

## 17. WEAR PADS

### 1) EXTRADIG DIPPER WEAR PADS

The extradig dipper wear pads are bolt-on replaceable items. They support and guide the inner dipper section during extension and retraction. The following procedures explain how to inspect, and adjust the pads.

There is a front and rear set of pads, each set comprises top wear pads and bottom wear pads.

The top wear pads are not adjustable and must be replaced with new pads once they have worn to their limit.

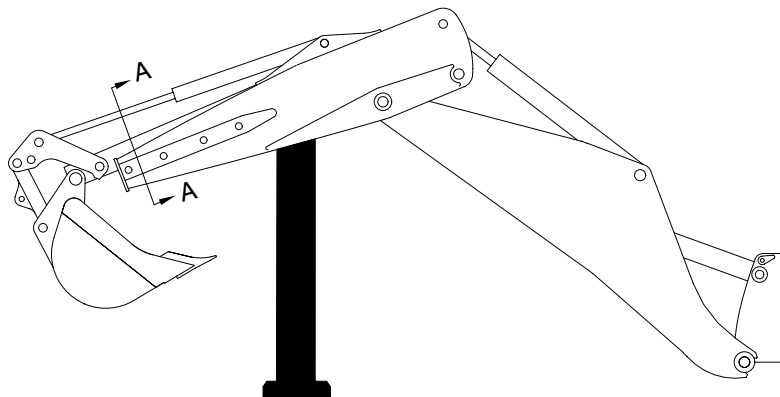
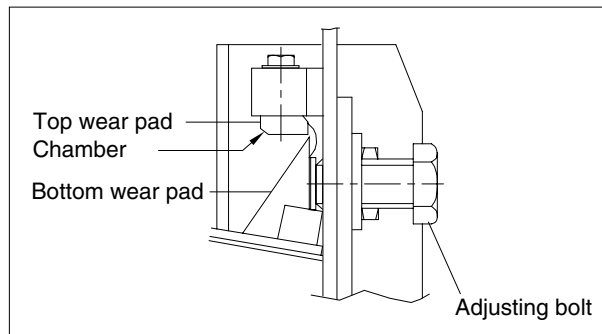
The bottom wear pads are adjustable and take up the wear on both the top and bottom pads. They must also be replaced with new pads when the top pads are changed.

New top wear pads and bottom wear pads must be replaced as a set and fitted by a qualified service engineer.

#### (1) Inspect the top wear pads

- ① Park the machine on level ground. Engage the park brake and put the FNR lever in neutral. Position the boom and dipper. Retract the inner dipper. Make sure that the bucket is clear of the ground and the dipper is supported.
- ② Stop the engine and remove the starter key.
- ③ Renew the pads when, or before, they are worn down to the depth of the chamfer. If the pads are worn near to their limit then inspect them more frequently than recommended in the service schedules. To avoid damage to the dipper or wear pad make sure the pads are fitted the correct way.

View A-A

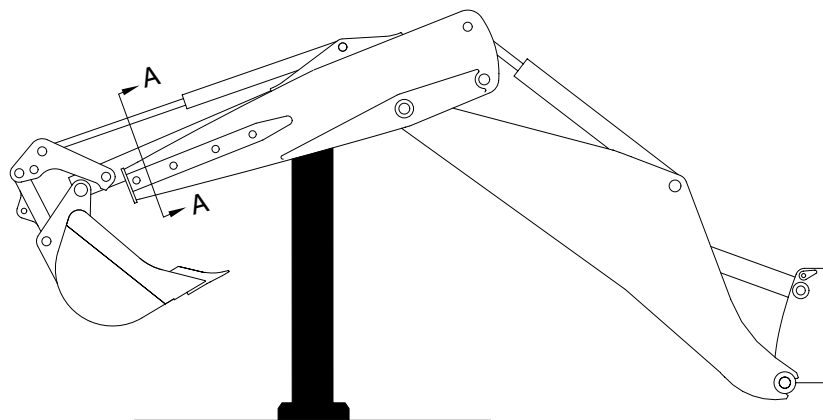
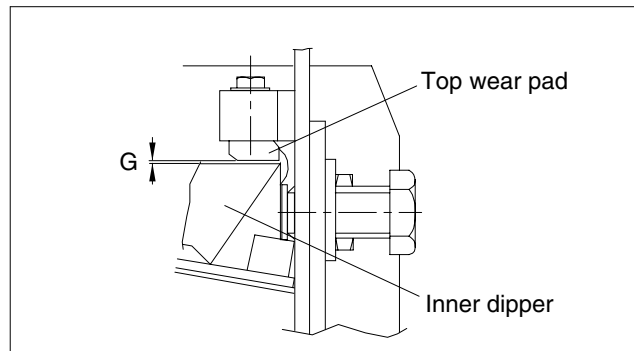


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## (2) ADJUST BOTTOM WEAR PADS

- ① Park the machine on level ground. Engage the park brake and put the FNR lever in neutral. Stop the engine.
- ② Clean the sliding faces of the inner dipper with a suitable solvent.
- ③ Start the engine. Retract the extradig dipper. Make sure that the bucket is clear of the ground and the dipper is supported. Stop the engine.
- ④ With grease, mud etc. removed from the sliding faces visually check the gap (G) between inner dipper and top wear pad. The gap (G) should be no greater than 1.5 mm (1/16 inch).
- ⑤ If the gap is greater than 1.5 mm (1/16 inch) then adjust as follows :
  - a. Screw in adjusters L equally both sides to achieve a 1.5 mm (1/16 inch) gap.
  - b. Visually re-check the gap is no greater than 1.5 mm (1/16 inch).
  - c. Make sure that the inner dipper seats central to the sides of the outer dipper.
    - ※ Remember to alternate sides each time and adjustment is made. When the adjuster is screwed up fully and the clearance is greater than 1.5 mm (1/16 inch), then top wear pads and bottom wear pads must be replaced as a set fitted by a qualified service engineer.
- ⑥ When the adjustments have been completed, apply grease HDX2 (Shell Retinax) to the slides of the inner dipper.

View A-A



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## 2) STABILIZER LEGS

The wear pads support and guide the inner leg section. They ensure that during extension and retraction the inner leg is kept central and has a minimum amount of 'float'.

Upper wear pads (4 EA) are fitted to the top of the inner leg as shown. Use shim to adjust 1 mm float between the stabilizer inner and outer leg. Lower wear pads comprise adjustable pads (2 EA), fixed pads (2 EA) and shim.

When pads have worn to a minimum thickness of 0.5 mm (0.020 in) they must be replaced with new ones. To replace the pads, the stabilizer inner leg must be removed (contact your Hyundai distributor).

It is important to note that lower pads are designed to take most of the 'loading' during stabilizer leg operation, as a consequence these pads must be checked regularly for wear.

When replacing pads, it is recommended that the complete lower set of pads are replaced. The top pads should be inspected and replaced as required.

### (1) Wear pad adjustment

※ It is very important that the wear pads are adjusted at the correct service intervals, as the inner leg could contact the outer leg and scoring could occur. Scoring will dramatically reduce wear pad life.

- ① Remove and clean away all debris that may have built up in stabilizer cavities.
- ② As a guide, there should be approximately 1 mm (0.039 in) float between the stabilizer inner and outer leg.
- ③ Before adjusting the clearance make sure that the leg is raised clear of the ground but not fully retracted.
- ④ To adjust the clearance, screw adjustable pad fully in until it just touches the inner leg and then back the pad off by one quarter of a turn.

※ Over-tightening the adjustable pad will lock the pad in position, it will not be possible to back the pad off. If this should happen, operate the stabilizer leg as normal but be aware that pads will wear more rapidly.

