



DIAMANT

REFERENCE GUIDE

HEADER SPEED & ANGLE

Optimum header speed for Capello corn heads should be between **540-570 RPM** off the hex shaft. Adjust the header speed until these specs are met. With the header sitting at operating height, measure header angle off the deck plates. Header angle should fall between **17-21 degrees**.

GATHERING CHAINS

Gathering chains should be staggered and tensioned correctly. **DO NOT** operate the machine with the chains running "tip to tip". Chains should be tightened to the point that you can pull each chain towards the center of the row unit and have **3/4"** of deflection. On new machines, the chain tension spring should measure **3 1/4"** from the top of the spring to the bottom.

DECK PLATES

All deck plates on a DIAMANT are hydraulically driven from both sides. It is recommended that the deck plates be parallel to each other for optimal performance.

GEAR BOX OIL

Row unit gear boxes and auger drive gear boxes use **75W90 full synthetic** gear oil. On machines larger than 12 rows, the lateral gear box uses **85W140 conventional** gear oil. Top off any oils that may be low. Oil should be refreshed prior to each harvest.

AUGER TIMING

If your machine has a 2-4 piece auger, check auger timing. To time the auger, rotate one PTO shaft until the flighting in the center of the auger is opposite of the adjacent flighting. This should be timed off the center hangar bearing.

STALK ROLLER KNIVES

Check each row unit and verify that the spacing between the LH and RH knives are roughly **1/8"**. The knives will begin to show wear on the front 1-2" section of the knife. If there is significant wear on the knives, the knives should be flipped from left to right. Make sure the bevel on the knife is facing the ground after flipping the knives. Once the knives are flipped, check the spacing of 1/8" from the front to the back of the knife. The knives should be spaced evenly from front to back. Check every **200 hours** of use.

CASE IH COMBINES

Use the supplied drum blocks for optimized performance. The feeder blocks are going to lift drum in the feeder house to provide adequate clearance for the crop. This only applies to Capello heads being mounted on Case combines.



Capello