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GRAIN HARVESTING

Axial-Flow[®] Enhancements Spanning the Years 1977-2007



Book 2:	Grain Harvesting
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Introduction

30 years of Axial-Flow Leadership

In 1977, the harvesting world was introduced to a revolutionary harvesting design, based on five core principles:

- ***Simplicity***
- ***Grain Quality***
- ***Grain Savings***
- ***Crop Adaptability***
- ***Matched Capacity***

Today, 30 years and over 130,000 combines later, it remains the rotary harvesting benchmark. In fact, all other major rotary combine manufacturers combined do not make up the number of Axial-Flow combines produced!

As farming has changed over the years, Case IH engineers continue to update, and upgrade the Axial-Flow to keep up with changing customer needs, and maximize productivity for any crop, under any condition.

Enclosed in this product information piece are the major improvements to the Axial-Flow organized chronologically. Case IH has developed many of these improvements into combine after-sales support kits, many that can be retrofitted back to the very first Axial-Flow combine!



1977

The introduction of the first 300 Axial-Flow Combines occurred in 1977, offering two new models:

- Model 1440 featured a 135-HP, 436 Cu.In. engine, with a 145 Bu. grain tank.
- Model 1460 delivered 170 HP with its 436 Cu.In. engine and offered greater capacity with a 210 Bu. grain tank.

The first Axial-Flow combines had the following features:

- Manual Hydraulics
- Open Center Hydraulic System - Gear Pump
- Manual and AHHC header controls

Pin Numbers

1440: PIN start U001177

1460: PIN start U001177

1978 / 1979

Mid-year between 1978 and 1979, the 1480 Axial-Flow Combine was introduced. This combine featured a 190-HP, 436 Cu. In. engine and a 208 Bu. grain tank.

Pin Numbers**1978**

1440: PIN start U001501

1460: PIN start U001501

1480: PIN start U001178

1979

1440: PIN start U005501

1460: PIN start U005501

1480: PIN start U005501

1980

In 1980, the following new features came to the Axial-Flow combines:

- Key stock grates
- Electric fan speed adjustment
- Feeder friction disc slip clutch replaced the feeder ratchet clutch
- New rotor with new cone rear bulkhead

Production of the pull-type combine, model 1482, began in 1980. In addition, the new hillside combine, model 1470, was also introduced.

Pin Numbers

1440: PIN start U010001

1460: PIN start U012001

1470: PIN start U001180 (Hillside)

1480: PIN start U014001

1482: PIN start U001180 (Pull-type)

1981 1981 heralded the introduction of the 1420 Axial-Flow Combine. This combine delivered 112 H.P. from its 358 Cu.In., and featured a 125 Bu. grain tank.

This year also brought the following improvements to the market:

- Introduction of Electro-hydraulics
- Three-bladed discharge beater
- 1480 engine and H.P. change (210 H. P. / 466 cu. in.)
- Straw chopper both factory and field codes (April 1981)
- Two Speed Hydrostatic Drive Motor 1480
- Power guide wheel drives for all models as factory installed option (January 1981)
- Grain Loss Monitor as field attachment only
- Introduction of 900 Series Corn Heads

Pin Numbers

1420: PIN start U001180

1440: PIN start U020001

1460: PIN start U022001

1470: PIN start U005501 (Hillside)

1480: PIN start U024001

1482: PIN start U005738 (Pull-type)

1982

1982 brought a HP change to the 1420 model, offering 124 HP from the 358 Cu.In. engine. Electric fan speed adjustment was offered on the 1420 in this year, as well as a power-guide rear axle.

Other enhancements introduced in 1982 included the following:

- Automatic feeder cutoff available
- Auto reel-to-ground speed attachment available
- Clean grain auger shaft increased to 1-1/4" on 1440/1460/1480
- Rock trap introduced on 1440/1460/1480

Pin Numbers

1420: PIN start U005501

1440: PIN start U030001

1460: PIN start U032001

1470: PIN start U010001

1480: PIN start U034001

1482: PIN start U010001

1983

In 1983, a new elevator jackshaft was introduced on the 1440, 1460, and 1480 models.

Final drive shafts changed from a 3-bolt to a 1-bolt design on the 1480 combine.

A Bosch injection pump replaced the rotary type pump on 1480.

Pin Numbers

1420: PIN start U010001

1440: PIN start U040001

1460: PIN start U042001

1470: PIN start U012001 (Hillside)

1480: PIN start U044001

1984

The Specialty Rotor was introduced in 1984 on Axial-Flow combines.

Grain gears became standard on all corn combines.

2-speed hydro became available on 1460 combines.

An improved steering axle was introduced, with new rims, spindles, and hubs.

The engagement and disengagement of the rear-wheel assist was also revised in 1984.

Pin Numbers

1420: PIN start U020001

1440: PIN start U050001

1460: PIN start U052001

1470: PIN start U020001

1480: PIN start U054001

1985 Mufflers were eliminated on 1460 and 1480 combines in 1985.

A one-piece forged final drive axle assembly was introduced.

The rock trap beater changed from a 4-blade design to a 3-blade design, the key stock was welded on left-hand end, and thicker beater blades were used.

Rotor kickers became standard equipment.

A third lift cylinder became available on the 1440 combine.

Pin Numbers

1420: PIN start U030001

1440: PIN start U060001

1460: PIN start U062001

1470: PIN start U020001

1480: PIN start U064001

1986 With 1986 came the introduction of the 1600 Series Axial-Flow Combines.



- The 1620 combine featured a 124 H.P., 358 Cu.In. engine and a 125 Bu. grain tank.
- The 1640 combine had a 150 H.P., 466 Cu.In. engine and a 145 Bu. grain tank.
- The 1660 combine offered a 180 H.P., 466 Cu.In. engine and a 180 Bu. grain tank.
- The 1680 combine had a 225 H.P., 466 Cu.In. engine, with a 210 Bu. grain tank.

This year brought the following enhancements to the Axial-Flow heritage.

Capacity increases:

- 70% on 1640 and 1660 combines

- 25% on 1680 combine

Concave area increases:

- 15.5% on 1640 and 1660 combines
- 16% on 1680 combine

Separating area increases:

- 24% on 1620
- 32% on 1640 and 1660
- 41% on 1680

Cage vanes were now adjustable without removing bolts or concaves and grates.

Clean grain augers increased in diameter (7" on 1640 and 1660 combines and 8" on 1680 combines).

Deeper clean grain elevator cross sections were also implemented (11.1 x 6" on 1640 and 1660 combines and 11.1 x 8" on 1680 combines).

The tear drop clean grain elevator lower boot was released, along with a tapered entry design into the clean grain elevator boot.

The shaft speed monitor, which was standard equipment, monitored 9 areas in all, including two new areas, the feeder and the spreader.

An improved lighting package, with 6-60 watt halogen lights and one long distance light, was released.

An optional feeder reverser for all 1600 combines was made available, as well as field kits for certain 1400 series combines.

The following engines were featured on the 1600 Series combines:

- 1620: D-358 engine
- 1640: D-466 engine
- 1660: DT-466B engine
- 1680: DTI-466C engine

Pin Numbers

1620: PIN start JJC0012001

1640: PIN start JJC0014001

1660: PIN start JJC0016001

1680: PIN start JJC0018001

1987 / 1988 Pin Numbers



1987

1620: PIN start JJC0022001
 1640: PIN start JJC0024001
 1660: PIN start JJC0026001
 1680: PIN start JJC0028001

1988

1620: PIN start JJC0023001
 1640: PIN start JJC0034001
 1660: PIN start JJC0036001
 1680: PIN start JJC0038001

1989



In 1989, new CDC Engines were introduced (4/1/89) on the 1600 Series combines, and a new model, the 1670 Hillside Combine, was added to the product line-up.

- **1620:** 145 H.P., 5.9 Liter engine, 125 Bu. grain tank
PIN start JJC032351 (CDC engine 6T-590)
- **1640:** 160 H.P., 5.9 Liter engine, 145 Bu. grain tank
PIN start JJC034705 (CDC engine 6TA-590)
- **1660:** 190 H.P., 8.3 Liter engine, 180 Bu. grain tank
PIN start JJC038347 (CDC engine 6T-830)
- **1670:** 235 H.P., 8.3 Liter engine, 210 Bu. grain tank
PIN start JJC080540 (CDC engine 6TA-830)
- **1680:** 235 H.P., 8.3 Liter engine, 210 Bu. grain tank
PIN start JJC045689 (CDC engine 6TA-830)

1989 brought the following improvements and features to the product line.

The DTI-466C engine, PIN 80501-80540, came to the product line-up.

In-line core radiators became available.

A higher capacity, 110-amp Bosch alternator replaced the 90-amp Motorola alternator.

Battery sizes were upgraded.

A coolant level sensor was added to assist the operator.

An engine aspirator for combines equipped with the Navistar® engines was released.

Pin Numbers

1620: PIN start JJC0032250

1640: PIN start JJC0034501

1660: PIN start JJC0037616

1670: PIN start JJC0080501

1680: PIN start JJC0045351

1990 In 1990, an audible alarm was added to the grain-tank full indicator.

A right side service access door was added on 1640/1660 combines.

The cab heater valve was replaced with the valve used on 7100 Series Magnum tractors.

Pin Numbers

1620: PIN start JJC0023630

1640: PIN start JJC0035300

1660: PIN start JJC0039550

1670: PIN start JJC0080540

1680: PIN start JJC0047025

1991 The long cleaning system was released for 1680 grain combines in 1991, starting with PIN JJC047412.



An electric fuel transfer pump was released for the 1680 combine.

Pin Numbers

1620: PIN start JJC0032950

1640: PIN start JJC0097001

1660: PIN start JJC0102001

1670: PIN start JJC0080560

1680: PIN start JJC0115001

1992

1992 brought the introduction of Field Tracker to the Axial-Flow combines.



The 92-120" rear axle was released as standard equipment.

The hydraulic reservoir size was increased from 5 gallons to 8 gallons.

The header height control accumulator was released as standard equipment.

The auxiliary and reel drive pumps were combined into one dual pump.

The horizontal hydraulic valve stack was introduced.

Dual spin-on hydraulic filters were added for 1640/1660 combines.

1620 and 1670 combines were discontinued.

Pin Numbers

1640: PIN start JJC0097190

1660: PIN start JJC0103800

1680: PIN start JJC0117060

1993

With 1993 came the introduction of the Second Generation 1600 Series Axial-Flow Combines.



- **1644:** 180 H.P., 5.9 Liter engine, 145 Bu. grain tank
- **1666:** 215 H.P., 8.3 Liter engine, 180 Bu. grain tank
- **1688:** 260 H.P., 8.3 Liter engine, 210 Bu. grain tank

The Cross-Flow Cleaning Fan was introduced with the second generation 1600 Series combines.

Improvements to the long cleaning system included 25.9% increase (13.75" added to chaffer and shoe sieve) on 1644/1666 combines and 23.7% increase on 1688 combines.

Larger air cleaners were featured on 1666/1688 combines.

The following engines were featured on the Second Generation 1600 Series combines:

- 1644: 6TA-590 engine
- 1666: 6T-830 engine
- 1688: 6TA-830 engine

Pin Numbers

1644: PIN start JJC0097675

1666: PIN start JJC0104850

1688: PIN start JJC0118860

1994

1994 saw the introduction of the straw/chaff spreader system to the Axial-Flow combines.



The 1644 combine was enhanced with the same transmission, final drive, and brakes used on the 1666/1688 combines.

An optional cold-start package with ether assist and block heater became available.

An electric fuel pump was added on the 1644/1666 combines.

Radial-seal type engine air filters were added to the engines for easy serviceability.

The unloading auger spill saver was added to the combine offering this year.

Pin Numbers

1644: PIN start JJC0098060

1666: PIN start JJC0106005

1688: PIN start JJC0120460

1995

The 2100 Series Axial-Flow Combines were introduced in 1995.



- **2144:** 180 H.P. 5.9 Liter 145 Bu. grain tank
- **2166:** 215 H.P. 8.3 Liter 180 Bu. grain tank
- **2188:** 260 H.P. 8.3 Liter 210 Bu. grain tank

With the new 2100 series came an all-new cab and styling. Just a few of the main improvements are listed below.

- Improved stadium-design lighting

- New optional lighting package (after cut, side flood, rear work, and service lights)
- Theater style lay-out to right-hand console
- Multi-function propulsion lever
- New A-post instrumentation center
- Improved operator ladder
- Focalized cab mounting system
- New pressure and flow-compensated (PFC) hydraulics and wet brakes
- New safety shielding, service platforms, hand rails, and guards
- Improved hinged service panels for easier access

Pin Numbers

2144: PIN start JJC0172501

2166: PIN start JJC0178501

2188: PIN start JJC0189001

1996 In 1996, factory-installed Advanced Farming Systems were released (March).

Pin Numbers

2144: PIN start JJC0172845

2166: PIN start JJC0180000

2188: PIN start JJC0191483

1997 A new, 13-bolt final drive mounting replaced the previously used 7 bolt mounting.



A new, larger cab air filter was added on the right side of the cab.

A splined feeder jackshaft replaced the keyed shaft.

The rear axle center section tubing increased from 5/16" to 3/8".

A drive plate was added to the rotor drive coupler.

The main hydrostatic tubes were replaced with hoses.

A tilting rear cab window was introduced.

A heavy duty feeder jackshaft, including cast iron pulley, became available.

Larger drive axle mounting flanges were released in 1997.

Pin Numbers

2144: PIN start JJC0173150

2166: PIN start JJC0182025

2188: PIN start JJC0193725

1998



In 1998 came the introduction of 2300 Series Axial-Flow Combines.

- 2344: 174 H.P. 5.9 Liter 145 Bu. grain tank
- 2366: 240 H.P. 8.3 Liter 180 Bu. grain tank
- 2388: 280 H.P. 8.3 Liter 210 Bu. grain tank

On the 2300 Series Axial-Flow combines, the following features were standard equipment:

- Tailings volume monitor
- Deluxe cab standard
- Auto temperature control standard

An engine air filter restriction indicator was added to the A-post display.

An engine air intake manifold temperature indicator and feeder shut-off were equipped on the 2388.

Hydraulically driven rotary air screen was also available on the 2388 (27% larger area).

New tire options included the 68x50 - 32h high flotation tire and the 600/65 - R28 high flotation tire.

The rotor skin was made thicker and stronger, making it three times more resistant to denting.

Also on the 2388, the three-speed rotor gearbox with an adjuster lever was located on the left side of the cab.

A new, improved rotor drive belt offered 27% increased contact area with pulleys.

A new, lower profile engine air filter with 38% larger filter area was equipped.

The radiator spinner blade was standard equipment.

Pin Numbers

2344: PIN start JJC0174000

2366: PIN start JJC0184200

2388: PIN start JJC0197000

1999 With 1999 came the introduction of the AFS Universal Display to the Axial-Flow combines.

An optional, extended wear package became available.

Grooved torque sensing pulleys were standard equipment.

Reverse rotation was also featured on the left side auger in the auger bed.

An optional edible bean package became available.

Pin Numbers

2344: PIN start JJC0174260

2366: PIN start JJC0252304

2388: PIN start JJC0265306

2000 For Model Year 2000, a ground-level clean grain elevator-mount moisture sensor was equipped on AFS combines.



A new HVAC system with digital display was equipped (like the system used on MX Magnum tractors).

A greaseable hydrostatic drive hub was equipped.

The 2388 rear axle was made standard equipment on 2344/2366 combines.

The 2388 rotor cage was constructed of AR235 wear-resistant steel.

Pin Numbers

2344: PIN start JJC0174360

2366: PIN start JJC0252950

2388: PIN start JJC0267150

2001

2001 brought the following enhancements to the 2300 Series combines.

A hydraulic feeder reverser was brought to the product line.

A four-groove Kevlar cord feeder drive belt was incorporated.

A third bearing was added on the rock trap.

The Rochelle rotor became available.

External straw chopper adjustment and taller “coined” blades were added.

The rear frames were pre-drilled for external sieve adjusters.

A sieve viewing door and light were added.

A 12-row ready package for the 2388 (4WD) combine became available.

180-gallon fuel tank was introduced on the 2388.

Left-hand shields were changed so they could be opened without lifting up the side sheets.

A 16-weight bracket became available.

Hillco Technologies™ leveling became available from the factory.

Pin Numbers

2344: PIN start JJC0174400

2366: PIN start JJC0254000

2388: PIN start JJC0268800

2002

In 2002, one-piece concaves were brought to the 2300 Series Axial-Flow combines.

External sieve adjusters became available as factory options.

A push-button chaff spreader coupler was introduced.

Curved chaff spreader bats became available as factory options.

A two-speed straw spreader pulley was incorporated.

Grain pan drain filler plates were added as standard equipment in the grain tank.

Clean grain auger inlet cone was made standard on the 2388 model, providing 15% more clean grain elevator capacity.

A belt-engaged separator drive on the 2388 combine replaced the wet PTO clutch (with five-rib separator drive belt).

A 130-gallon fuel tank was introduced for the 2344 and 2366 combines.

A 12-row ready package became available for 2WD 2388 combines.

Grease banks for the steering axle, unloading auger elbow, and front rotor bearing were added.

The rotor gearbox speed adjusting lever was moved to the left-hand side of the cab.

Pin Numbers

2344: PIN start JJC0174460

2366: PIN start JJC0255000

2388: PIN start JJC0270500

2003

2003 brought the introduction of the AFX8010 to the Axial-Flow combine family.



The new AFX8010 was built in Grand Island, NE.

- AFX8010: 375 H.P. 10.3 Liter engine, 330 Bu. grain tank
- 2388: 280 H.P. 8.3 Liter engine, 210 Bu. grain tank
- 2366: 250 H.P. 8.3 Liter engine, 180 Bu. grain tank

2366/2388 Enhancements

The following enhancements were made to the 2366/2388 combines in 2003.



A new AFX rotor was equipped on the 2388, providing 5-25% more productivity.

Larger rotor drive pulleys, 900-lb. rotor drive spring, and a longer, seamless rotor belt were equipped the combines.

The new wire cloth mesh hydraulic drive rotary air screen, relocated to the right-hand side of the combine, featured a direct-flow design, with a swing-open door for easy access.

Square wave technology was incorporated on the radiator and the charge air cooler to prevent “deep-core” plugging.

The 2366 now featured a 250 H.P., air-to-air after cooled engine.

The muffler became standard equipment.

A new engine air cleaner design was incorporated.

A new operator's seat with adjustable left-hand armrest and removable seat cushions was equipped on the combines.

A heavy-duty 2WD rear axle with dual-steering cylinders was available as an option on the 2388 combine.

AFX8010 Features

The following were featured on the AFX8010 combine.

A turbocharged and intercooled, full-authority Case IH engine was used on the AFX8010.

This model featured a 54" wide, 94" long feeder.

A 30" diameter, 104" long AFX rotor was equipped on the AFX8010.

10,075 sq. in. self-leveling cleaning system was used.

Power plus CVT drives for both the feeder and the rotor were released.

In-cab sieve adjustment was available as an option.

Pin Numbers

2344: Discontinued

2366: PIN start JJC0255700

2388: PIN start JJC0273000

AFX8010: PIN start HAJ0150105

2004

The following enhancements were made to the Axial-Flow combines in year 2004.

- 2366: 250 H.P. 8.3 Liter engine, 180 Bu. grain tank
- 2388: 280 H.P. 8.3 Liter engine, 210 Bu. grain tank
- AFX8010: 375 H.P. 10.3L engine, 330 Bu. grain tank

2366/2388 Enhancements

A 208" extended-wear unloading auger was made standard on the 2388 combines.

2388 combines were all equipped with extended wear auger bed augers, clean grain auger, grain tank bottom and vertical augers, HVOF diver's helmet, and HVOF front rotor channel.

A third lift cylinder support bracket was made standard on 2388 combines.

Coined feeder slats were made standard on both 2366 and 2388 combines.

Composite frame stainless steel wire mesh (0.024" hole size) rotary air screen became standard, along with a larger, external dirt chute, and a one-piece bulb type door seal on the 2366 and 2388 combines.

Stainless steel vanes in the rotor cage became standard on 2388 combines.

AFX8010 Enhancements:

The following improvements were made to the AFX8010 in 2004.

The feeder drum thickness was increased to 0.75".

The four separator bars on the AFX rotor configuration were removed, and replaced with spiked-tooth rasp bars.

Round bar modules were released as a DIA kit.

An extended wear option was introduced.

Center impeller on the tailing processor was enlarged, and tip speed was increased by 10%.

A two-speed powered rear axle was introduced.

20.8x42 R2 duals and 28L-26 steering tires were offered.

The cab ladder and deck were changed.

Pin Numbers

2366: PIN start JJC0256400

2388: PIN start JJC0274450

AFX8010: PIN start HAJ0105200

2005

In 2005, a new 2300 Series combine, 2377, was introduced and the 2366 was discontinued.

- 2377: 250 H.P. 8.3 Liter 190 Bu. grain tank
- 2388: 280 H.P. 8.3 Liter 210 Bu. grain tank
- AFX8010: 375 H.P. 10.3L 330 Bu. grain tank

2377/2388 Enhancements



The AFX rotor became the base rotor on all models.

Heat treatment was implemented for all small-wire concaves.

Engine air deflectors became standard equipment.

A new paint scheme for 2300 Series combines was implemented at Grand Island.

Non-painted accessory part and component protection was added.

New E-Coat component protection for critical internal areas was implemented.

AFX8010 Enhancements

A new header drive gearbox was released for the AFX8010.

The capacity of the header/feeder slip clutch was increased to 1,106 ft.-lbs.

An engine air deflector was added to prevent accumulation of dust and chaff around the turbocharger and exhaust manifold.

Shielding was added around the cleaning fan to prevent stalks and debris build-up.

Conveyor chains were moved further out on the slats to improve load distribution.

Heat treatment was implemented for all small-wire concaves.

Combine production moved from East Moline, IL to Grand Island, NE.

East Moline, IL Combines

Pin Numbers

2366: PIN start JJC0257600-JJC0257696

2388: PIN start JJC0276100-JJC0276540



Grand Island, NE Combines

Pin Numbers

2377: PIN start HAJ0292001

2388: PIN start HAJ0292001

AFX8010: PIN start HAJ0105687

2006 2006 brought the following enhancements to the Axial-Flow combine family.

- 2377: 255 H.P. 8.3 Liter engine, 190 Bu. grain tank
- 2388: 285 H.P. 8.3 Liter engine, 210 Bu. grain tank
- AFX8010: 400 H.P. 10.3L engine, 330 Bu. grain tank

2300 Series Product Enhancements

The Serial Number Plate was moved to the main frame, to the front side of the right-hand deck support tube.

The Field Tracker frame was increased from 0.25" (6.35mm) to 0.31" (7.87mm).

The heavy-duty three-speed rotor gear case became standard equipment.

Curved bats on the straw/chaff spreaders became standard equipment.

A windshield washer became available as a factory option.

All 2300 Series combines were pre-wired for the Auto-Lube system.

A new hydraulic system reservoir sight gauge was introduced.

Tier III engines with increased horsepower and enhanced monitoring capabilities were introduced.

A new grid heater starting-assist package was released.

A larger radiator was included with all Tier III engines.

AFX8010 Enhancements



The deluxe cab and the in-cab sieve adjust features were made standard equipment.

A wear-resistant base machine was made available. This packages included HVOF coating on the processor, and on all high impact areas.

Hillco-ready package was released.

A heavy-duty transition cone option was released (featuring bolt-in vanes).

New profile was implemented on the rotor flight, nose and wear band to improve crop flow.

Transition cone inlet castings were changed to include a tungsten carbide coating to improve wear resistance.



Longer, stainless steel cage vanes were added to the left side of the rotor cage to improve crop flow.

An enhanced shake cleaning system was introduced for improved cleaning in high-moisture crops.

The windrow swath door was increased in width by 4".

Tier 3 compliant engines with 25 hp rise, and 25 hp boost were introduced.

A factory installed bottom shield option became available.

A hard thresh tailings kit was released to improve re-threshing performance.

The capacity of the header drive gear box was increased.

New engine air deflectors introduced as standard equipment.

Improvements were made to the combine and header set-up screen software.

Pressure float override was added to the standard AHHC system.

The rear switch group was changed to include control for two-speed powered Rear Assist.

2007

In Model Year 2007, the Axial-Flow 2577, 2588 and 7010 Combines were introduced.



- Axial-Flow 2577: 265 H.P. 8.3 Liter 230 Bu. grain tank
- Axial-Flow 2588: 305 H.P. 8.3 Liter 290 Bu. grain tank
- Axial-Flow 7010: 350 H.P. 9.0 Liter 315 Bu. grain tank
- Axial-Flow 8010: 400 H.P. 10.3 Liter 350 Bu. grain tank

2577 / 2588 Product Enhancements



Yield moisture and flow sensors and AFS badges became standard equipment.

The AFS Pro 600 became used as the yield monitor display.

Field Tracker: Additional bolts were added on each side of the feeder to prevent the feeder face plate from tipping forward under heavy load.

The feeder top shaft sprocket assembly has been lengthened to reduce shaft bending.

The third cylinder anchor bracket on the front axle became standard equipment.

Final drive gears were shot peened to improve gear life and increase durability and strength.



Wheel bolts went from M20 to M22 to provide better wheel retention. A common dual wheel was used for 7010 and 8010.

The rotor drive coupler attaching plate thickness increased in the rotor bulk head in order to achieve longer bolt thread engagement.

The rotor gear case shift lever was plated and the bore size increased to eliminate seizing due to corrosion.

Rear axle: Material thickness was increased on the center section (from 9 mm to 12.7 mm).

The unload rate was been increased to 2.4 bushels.

The unloading tube length was increased to 18' or 21'.

Residue Management: The straw spreader curtain length was increased.

The material thickness of the bottom tailings elevator housing was increased.

The clean grain elevator slip clutch torque was increased by 20%.

The Power-Clean Evacuation System was introduced and included a hydraulically driven evacuation fan and an optional rotary brush.

Axial-Flow 7010 Features

The AFX7010 offered the following features:

- A 9.0L Case IH engine, offering 350 HP, 25 HP torque rise and 15 HP boost.
- Single-plane in-line coolers.
- 8,370 sq. in. cleaning system was equipped.
- 315 b.u. grain tank (17" extensions)

Axial-Flow 8010 Enhancements

The following enhancements were provided for the AFX8010 in 2007.

Grain yield/moisture monitor with AFS 200 was offered as standard equipment.

AFS Pro 600 display was offered as an optional upgrade.

AFS AccuGuide™ autoguidance ready was offered from the factory.

Additional content for the Wear Resistant model was added, including inlet castings, transition cone, and tailings processor.

The new paint scheme incorporated more red on the grain tank and unloading auger.

The high-wear transition cone was made standard equipment.

The grain tank capacity for the 8010 was increased to 350 bushels (12.3 cm).

Longer unload tubes became available: 21 ft and 24 ft.

Grain tank cross auger cleanouts were removed from the bottom of the augers to reduce auger trough wear and grain leakage issues around the covers. Cleanouts were added to the right-hand end of each grain tank cross auger just below the bearing mount.

Headers**Grain and Flex Head** 1010 & 1020 / 2010 & 2020**Flex-Draper and Draper Head** 2162 / 2042, 2052, 2062**Corn Head** 2200 & 2400**Chopping Corn Head** 2600**Starting Serial Numbers for Headers**

	1995	1996	1997	1998	1999	2000	2001	2002
1000	150001	152850	240001	242700	335001	337000		
1010	200001	212200	204800	300001	302300	304000	305000	306000
1020	215001	219000	221800	305001	319300	322400	325000	328000
1042					9001	9270	9439	9551
1052					11001	11154	11321	114445

	2003	2004	2005	2006	2007
1000			CBJ	CBJ	CBJ
1010	307000	308000	23001	28001	33001
1020	331000	333000	23001	28001	33001
1042	9685	9907			
1052	11569	11693			

	2003	2004	2005	2006	2007
2010/20		HAI30101	CBJ020242	CBJ020701	CBJ021301
2200/ 2400			CBJ024001	CBJ030601	CBJ032001
2042	CAB	13002	13130	CCC0013274	CCC0013387
2052	CAB	14020	14385	CCC0014710	CCC0014866
2062	CAB	15023	15137	CCC0015328	CCC0015596

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Note: Specifications are stated in accordance with industry standards or recommended practices, where applicable.

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Important:

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