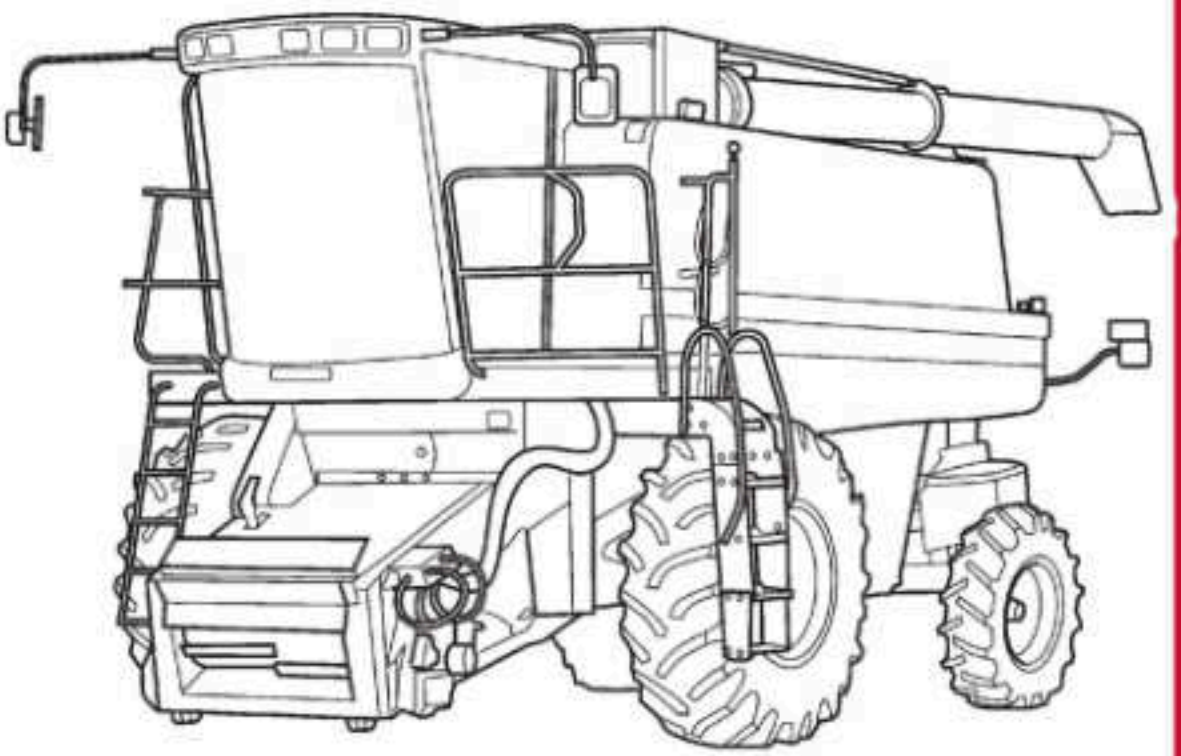


AXIAL-FLOW® 2577 and AXIAL-FLOW® 2588 combine

OPERATOR'S MANUAL

87549570
1st Printing

CASE IH AGRICULTURE

MidWestTech | Case Axial-Flow 2577, 2588 Combine Operator's Manual | Publication 8754...
Order the manual at mid-west-tech.com >

GENERAL TABLE OF CONTENTS

TO THE OWNER **1**
MANUAL STORAGE COMPARTMENT 2

2 - IDENTIFICATION NUMBERS **3**
PRODUCT IDENTIFICATION AND SERIAL NUMBERS 3
IDENTIFICATION NUMBER LOCATIONS 3
PRODUCT IDENTIFICATION NUMBER 3
ENGINE SERIAL NUMBER 4

3 - SAFETY/DECALS **5**
SAFETY 5
FEEDER SAFETY LOCK 7
TO ENGAGE THE FEEDER SAFETY LOCK: 7
TO DISENGAGE THE FEEDER SAFETY LOCK: 7
FIRE EXTINGUISHER 9
PARK BRAKE 9
HAZARD WARNING LAMP/PARK BRAKE DISABLE SWITCH 11
BEACON - IF EQUIPPED 11
HIGHWAY OPERATION 11
COMBINE BALLAST 13
SEAT BELTS 14
SEAT BELT INSPECTION AND MAINTENANCE 14
NEUTRAL START SYSTEM 15
OPERATOR'S PRESENCE SYSTEM 15
BACKUP ALARM 15
SAFETY DECALS 16
INFORMATIONAL DECALS 26

4 - INSTRUMENTS/CONTROLS **29**
INSTRUMENT PANEL 29
ENGINE GRID HEATER 33
DIGITAL TACHOMETER 34
GRAIN SCAN MONITOR 39
OPERATING CONTROLS 41
PROPULSION CONTROL LEVER 41
RIGHT CONSOLE 43
AUTOMATIC CLIMATE CONTROL OPERATION 58
RIGHT PANEL 60
CAB RIGHT WINDOW AND EMERGENCY EXIT 61
DOME LAMPS AND CONSOLE LAMP 62
CONSOLE LAMP 62
CENTER CONSOLE 62
CAB REAR WINDOW 63
INSTRUCTIONAL SEAT 63
AIR FLOW CONTROL LOUVERS 64
DELUXE AIR SUSPENSION SEAT 65
COMBINE CALIBRATION 66
CHANGE MODE 68
CALIBRATE HEADER CONTROLLER - FULL CALIBRATION 70
SYSTEM CONFIGURATION 72

MidWestTech | Case Axial-Flow 2577, 2588 Combine Operator's Manual | Publication 875... Order the manual at mid-west-tech.com >

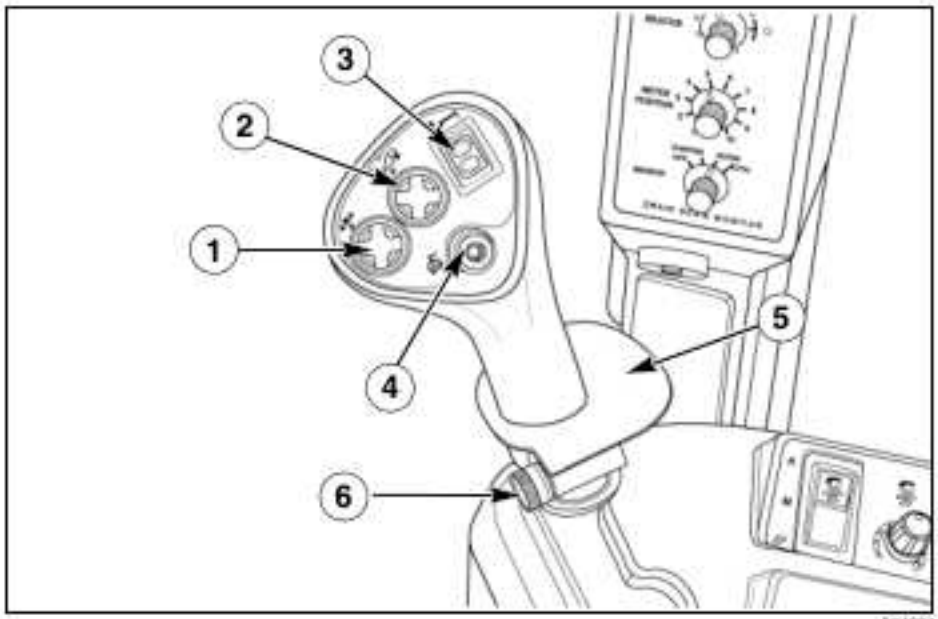
AFTER CONNECTING TO A HEADER - GROUND CALIBRATION 73
GRAIN HEADER WITHOUT HEIGHT SENSOR 73
GRAIN HEADER WITH HEIGHT SENSOR 73
1020 GRAIN HEADER WITH LOCKED CUTTER BAR 73
CORN HEAD WITHOUT HEIGHT SENSOR 73
CORN HEAD WITH HEIGHT SENSOR 73
DISCONNECTING GRAIN HEADER OR CORN HEAD WITH HEIGHT SENSOR 73
COMBINE DIAGNOSTICS 74
INSTRUMENTATION DIAGNOSTICS 74
STUCK ON TOUCH SWITCH 74
LOW VOLTAGE 74
MEMORY ERROR 74
FEEDER COIL CIRCUIT 74
SEPARATOR COIL CIRCUIT 74
SERIAL COMMUNICATIONS LINK 74
HEADER DIAGNOSTICS 75
TAILINGS MONITOR CIRCUIT DIAGNOSTICS 76

5 - OPERATING INSTRUCTIONS 77
BEFORE STARTING THE ENGINE 77
INDICATOR LAMP AND ALARM TEST 78
RUN-IN PROCEDURE 79
ENGINE WARM UP 79
LOAD 79
NO LOAD 79
ENGINE OIL 79
NORMAL STARTING PROCEDURE 80
STOPPING THE ENGINE 83
COLD TEMPERATURE OPERATION 84
COOLANT HEATER 85
TRANSPORTING PREPARATIONS 85
TIE DOWN T-HOOKS 86
TIE DOWN LOCATIONS 87
TOWING 88
DISABLED MACHINE 89
WARNING LAMPS, TURN SIGNALS AND SMV EMBLEM 90
DIGITAL TACHOMETER 92
HIGH IDLE SPEED 92
ADJUSTING ENGINE ALARM 92
ADJUSTING SPEED CALIBRATION 92
COMBINE OPERATION 93
GROUND TRAVEL SPEED 93
STARTING GROUND TRAVEL 94
STOPPING GROUND TRAVEL 96
HEADER AND COMBINE CONNECTIONS 97
1000 SERIES HEADER 97
CONNECTING THE HEADER 98
DISCONNECTING THE HEADER 103
HEADER CONNECTION/DISCONNECTION 104
2000 SERIES HEADER 105
CONNECTING THE GRAIN HEADER 105
DISCONNECTING THE HEADER 110

MidWestTech | Case Axial-Flow 2577, 2588 Combine Operator's Manual | Publication 875... Order the manual at mid-west-tech.com >

CONNECTING THE CORN HEAD 111
DISCONNECTING THE CORN HEAD 114
FILLER ADAPTER ADJUSTMENT 114
STARTING COMBINE OPERATION 115
STOPPING COMBINE OPERATION 117
THRESHING SPEED 118
HEADER CONTROLS 119
MANUAL POSITION CONTROL 119
AUTOMATIC HEADER CONTROL 120
RETURN TO CUT (RTC) 120
AUTOMATIC HEADER HEIGHT CONTROL (IF EQUIPPED) 122
AUTOMATIC FLOAT CONTROL (IF EQUIPPED) 123
FLOAT SENSOR CALIBRATION 123
HEADER HEIGHT DISPLAY 124
REEL SPEED CONTROL OPERATION 125
MANUAL REEL SPEED CONTROL 125
AUTOMATIC REEL SPEED CONTROL 125
TAILINGS MONITOR 126
SHAFT SPEED MONITOR 127
MONITOR OPERATION 127
CHECKING MONITOR OPERATION 128
GRAIN SCAN MONITOR 129
MONITOR OPERATION 129
CHECKING SENSOR OPERATION 131
COMPARING ROTOR/CHAFFER LOSS 132
CHECKING MONITOR OPERATION 132
FEEDER OPERATION 133
FEEDER REVERSER 133
AUTOMATIC FEEDER CUTOFF (AFC) 133
MANUALLY REVERSING THE FEEDER 134
ROCK TRAP (IF EQUIPPED) 135
EMPTYING THE ROCK TRAP 136
OPERATING RECOMMENDATIONS 136
FEEDER ADJUSTMENT FOR TIRE SIZE 138
FEEDER ADJUSTMENT WITH ROCK TRAP 139
FEEDER ADJUSTMENT WITHOUT ROCK TRAP 140
UNLOADER OPERATION 141
OPERATOR'S LADDER 142
FULL FORWARD OR TRANSPORT POSITION 142
USING LOWER CONTROL LEVER 142
FULL SIDE POSITION 144
USING LOWER CONTROL LEVER 144
USING UPPER CONTROL LEVER 145
FIELD TRACKER® (IF EQUIPPED) 146
CONNECTING THE FIELD TRACKER® 146
DISCONNECTING THE FIELD TRACKER® 147
FIELD TRACKER® - MANUAL OPERATION 148
FIELD TRACKER® - AUTOMATIC OPERATION 149

MidWestTech | Case Axial-Flow 2577, 2588 Combine Operator's Manual | Publication 875... Order the manual at mid-west-tech.com >



1. **REEL POSITION SWITCH -** This is a four position switch which operates as follows:
Raise - Push the bottom of the switch to raise the reel.
Lower - Push the top of the switch to lower the reel.
Forward - Push the switch to the Left to move the reel forward (if equipped with the reel fore/aft option).
Aft - Push the switch to the Right to move the reel to the rear (if equipped with the reel fore/aft option).

2. **HEADER CONTROL SWITCH -** This is a four position switch which operates as follows:
Raise - Push the bottom of the switch to raise the header.
Lower - Push the top of the switch to lower the header.
Tilt Left - Push the switch to the left to tilt the header counterclockwise (Field Tracker® option).
Tilt Right - Push the switch to the right to tilt the header clockwise (Field Tracker® option).

3. **GRAIN TANK UNLOADER TUBE SWITCH -** Push the top of the switch to swing the unloader tube out. Push the bottom of the switch to swing the unloader tube in. The middle position of the switch is the Neutral position.

4. **GRAIN TANK UNLOADER DRIVE SWITCH -** To start the unloader, press the switch and then release it. To stop the unloader press the switch.

NOTE: *Refer to Rear Ladder Sensor in this section of the manual for additional information.*

5. OPERATOR HAND REST

6. **HAND REST ADJUSTING KNOB -** The operator's hand rest can be adjusted using the adjusting knob. To loosen the adjusting knob turn it counterclockwise. Adjust the hand rest and retighten the adjusting knob.

NOTE: *Field Tracker® is a registered trade mark of HCC, Inc.*

MidWestTech | Case Axial-Flow 2577, 2588 Combine Operator's Manual | Publication 875... Order the manual at mid-west-tech.com >

CORN HEAD MODEL	CORN HEAD ROW SIZE INCHES (mm)	POUNDS (kg) REQUIRED
1044	36, 38 AND 40 INCH (914, 965 AND 1016 mm)	0
1054	36, 38 AND 40 INCH (914, 965 AND 1016 mm)	0
1063	28 AND 30 INCH (711 AND 762 mm)	0
1064	36, 38 AND 40 INCH (914, 965 AND 1016 mm)	400 (181)
1083	28 AND 30 INCH (711 AND 762 mm)	800 (364)
1084	36, 38 AND 40 INCH (914, 965 AND 1016 mm)	*1400 (635)
2206	30 INCH (762 mm)	400 (181)
2206	36 AND 38 INCH (914 AND 965 mm)	800 (363)
2208	22 INCH (559 mm)	1000 (454)
2208	30 INCH (762 mm)	*1600 (748)
2208	36 AND 38 INCH (914 AND 965 mm)	*2000 (907) **

Chart based on Combines with standard tires and axle in low position.
* Use steering axle weights or wheel weights plus a calcium chloride solution of 3.5 lb. (1.6 kg) per 1 gallon (3.8 L) of water to the steering tires. 75% fill in 14.9-24R4 tires equals 215 kg (474 pounds) each. 75% fill in 19.5L-24 R4 or 500/70R24 R4 tires equals 318 kg (700 pounds) each.
** 14.9-24 R4 8PR tires not recommended for this application.

WARNING: *Mixing solution and changing tires can be dangerous and should be done by trained personnel. See your dealer for this service.* M196A

Liquid Ballast in Tires

Combines with Power Guide Wheels

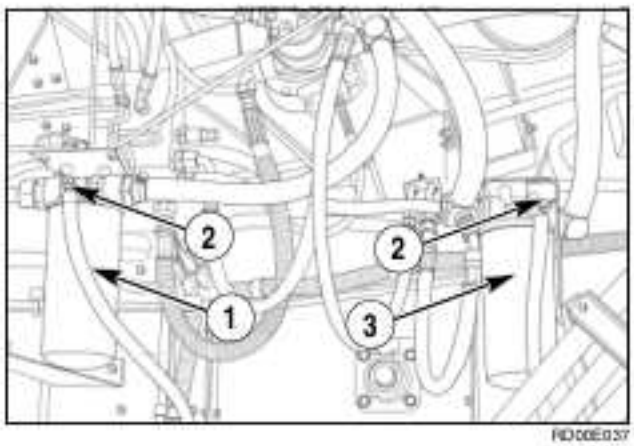
If the Combine is equipped with power guide wheel drive, steering axle weights can be used. Subtract 181 kg (400 lb.) from the weights shown in the charts for Combines without power guide wheels and add calcium chloride solution to the steering axle tires to obtain proper Combine balance. If additional traction is desired 75% fill of 3.5 lb./gal calcium chloride in each 16.9 x 26 tire will provide 301 kg (663 pounds), 365 kg (805 pounds) in each 18.4 x 26 tire, 414 kg (912 pounds) in each 18.4 x 30 tire and 462 kg (1018 pounds) in each 600/65-R28 Tire. **DO NOT exceed the 75% fill.**

NOTE: *The above paragraph is for Combines without the 12 Row Ready Package. For Combines with the 12 Row Ready Package refer to next page.*

MidWestTech | Case Axial-Flow 2577, 2588 Combine Operator's Manual | Publication 875... Order the manual at mid-west-tech.com >

Hydraulic Oil Filters

The Combine is equipped with two (2) hydraulic oil filters. The filter located to the front of the Combine on the left hand side is in the return side of the auxiliary hydraulic pump circuit. The filter located to the rear of the Combine on the left hand side is in the suction side of the hydrostatic propulsion system.



RD00E037

1. AUXILIARY RETURN FILTER
2. DRAIN VALVE
3. HYDROSTATIC PROPULSION SYSTEM SUCTION FILTER

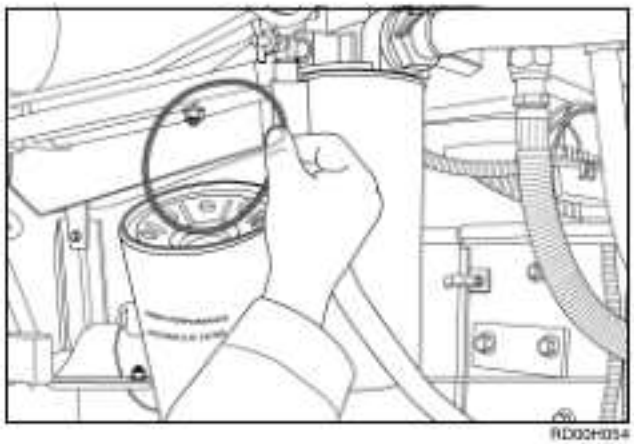
NOTE: *Prior to doing any work, remove the key from the key switch to prevent anyone from starting the engine.*

1. Put the end of the drain hose in a container.
2. Drain the reservoir by opening the drain valves located at the filter manifolds.
3. Use a filter wrench to loosen the two (2) filters. Remove the filters by rotating counterclockwise.
4. Close the drain valves at the filter manifolds.

NOTE: *Service filters kits will include round and square cross section gaskets. The round cross section gaskets are used in the Combine.*

5. Lubricate the new filter gaskets with CASE IH HY-TRAN® ULTRA fluid.
6. Install the new gasket in the top of the oil filter. The gasket must fit tight in the mouth of the filter. Install filter to head by turning clockwise by hand to make firm metal to metal contact with filter head. This will require up to three additional turns after initial contact.
7. Add 38 Litres (10 U.S. Gallons) of CASE IH HY-TRAN® ULTRA to the reservoir.

Inspect the fluid level in the reservoir.


RD00H034

MidWestTech | Case Axial-Flow 2577, 2588 Combine Operator's Manual | Publication 875... Order the manual at mid-west-tech.com >