AXIAL-FLOW® 7240
AXIAL-FLOW® 8240
AXIAL-FLOW® 9240
Tier 4B (final)
Combine

OPERATOR'S MANUAL

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CASE IH AGRICULTURE

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Contents

NOTE: *The Operator's Manual consists of two volumes. The first volume contains operating information, the second volume the maintenance and diagnostic information.*

1 GENERAL INFORMATION

Note to the Owner 1-1
Intended use 1-2
Engine tampering 1-3
Electro-Magnetic Compatibility (EMC) 1-3
Product identification 1-4
Machine orientation 1-5
Selective Catalytic Reduction (SCR) exhaust treatment - Product overview 1-6

2 SAFETY INFORMATION

Safety alert symbol and signal word definition 2-1
Safety signs – Overview 2-2
Safety rules 2-3
General safety rules 2-4
General maintenance safety rules 2-5
Wheel and tire safety 2-6
Transport on public roads 2-7
Fire prevention 2-7
Fire extinguisher 2-8
Battery safety 2-9
Instructional seat - Safety rules 2-10
Operator presence system 2-10
Power Take-Off (PTO) - Safety rules 2-10
Warning lights 2-11
Seat belt precautions 2-11
Air-conditioning system 2-11
Reverse alarm and light 2-12
Personal Protective Equipment (PPE) 2-12
Do Not Operate hang tag 2-12
Hazardous chemicals 2-12
Electrical storm safety 2-13
Utility safety 2-13
Mounting and dismounting precautions 2-13
Operating the machine 2-13
Connecting a header 2-15
Hydraulic system safety 2-15
Working at heights 2-16
Ecology and the environment 2-17
Proposition 65 2-18
Note to the Owner 2-18
Lift cylinder lockout – Lift cylinder lockout 2-19
Airborne noise emission 2-20
Safety signs – Right-hand side 2-21

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Safety signs – Front 2-28
Safety signs – Left-hand side 2-33
Safety signs – Rear 2-40
Safety signs – Top 2-49
Selective Catalytic Reduction (SCR) exhaust treatment - Safety signs 2-52

3 CONTROLS AND INSTRUMENTS

Access to operator's platform

Access to operator's platform 3-1
Folding ladder 3-4
Cab layout 3-5
Emergency exit 3-6

Operator's seat

Operator seat – Overview 3-7
Seat belt – Operator's seat 3-12

Instructional seat

Instructional seat – Overview 3-13
Seat belt – Instructional seat 3-15
Under seat cooler 3-16

Forward controls

Steering column 3-18
Steering column 3-19
Foot controls 3-22

Right-hand side controls

Start console 3-24
Multi-Function Handle (MFH) 3-25
Shift button 3-28
Unload tube 3-29
Pivoting unloading spout – if equipped 3-30
Quick stop 3-31
Feedrate control 3-32
AFS Accuguide™ 3-32
Automatic Header Height Control (AHHC) 3-32
Header controls 3-33
Reel position 3-34
Grain tank unloading drive 3-35
Right-hand console 3-36
Drive engagement switches 3-37
Reel drive 3-38
Threshing 3-39
Cleaning 3-40
Gear selector 3-41
Throttle 3-41

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Residue 3-42
Parking brake 3-43
Powered Rear Axle (PRA) 3-43
Power/Economy – if equipped 3-44
Header controls 3-45
Selective Catalytic Reduction (SCR) exhaust treatment - Overview 3-46
AFS Pro 700 3-56
Armrest - Overview 3-57

Rearward controls
Rear window 3-58
Cab features – Storage and fuse access 3-59

Overhead controls
Overhead controls – Storage 3-62
Overhead controls 3-63
Sun screens 3-68
Heating, Ventilation, Air Conditioning (HVAC) controls 3-69
Radio 3-73
Interior lamps 3-74
Communication equipment – Mounting 3-75
Printer – Accessory mounting 3-78

LIGHTING
Lighting and mirrors 3-79

FRAME
Engine platform access 3-83
Side shields - Open/Close 3-87
Service platforms and shielding 3-91
Rotor module – Access 3-93
Grain tank – Covers/extensions 3-94
Grain tank - Access/Exit 3-97
Jack – Locations 3-98

4 OPERATING INSTRUCTIONS

Commissioning the unit
Before driving the combine 4-1
Axial Trac 4-1
Transmission unlock 4-2

Starting the unit
Daily start up procedure 4-2
Starting the engine – Cold weather 4-4
Engine idle speed 4-4

Stopping the unit
Stopping the machine 4-5

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FEEDING

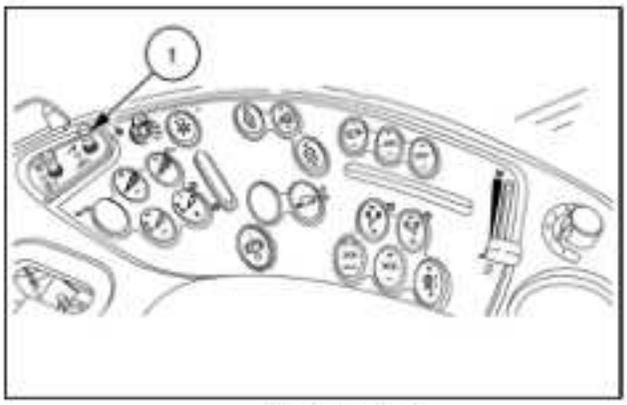
Feeder

The feeder drive has very specific operating requirements and must operate in one of five modes at all times.

Modes of operation

Off

Place the feeder control switch **(1)** into the center detent position, the feeder should not be powered and should be at rest.



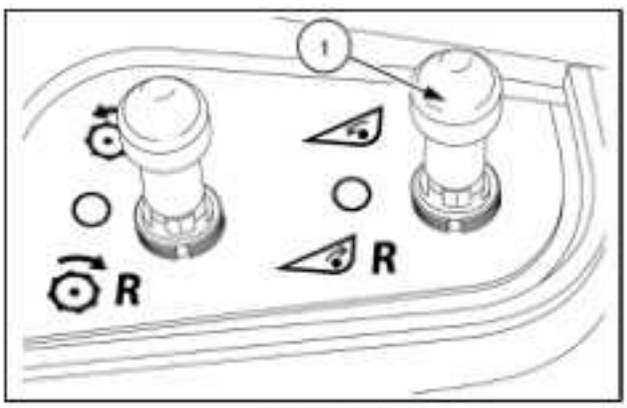
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Feeder engagement

The feeder may be engaged at any time once the separator is operating and the feeder speed is below **50 RPM**.

The rear ladder must be in the up position and the operator must be seated.

Place the feeder control switch **(1)** into the forward detent position, the feeder will achieve the requested speed within 5 seconds.



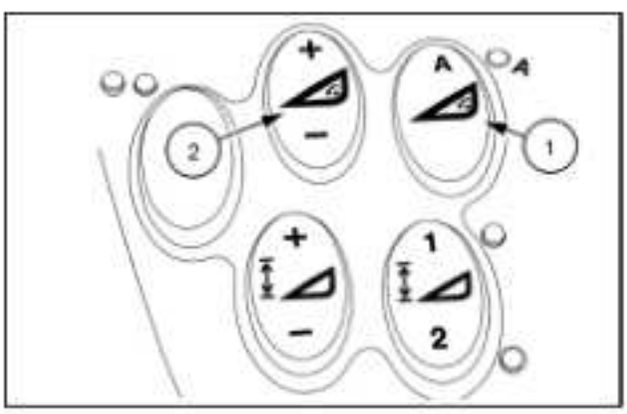
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Feeder operating

The feeder speed will be maintained per two different modes:

Manual operation

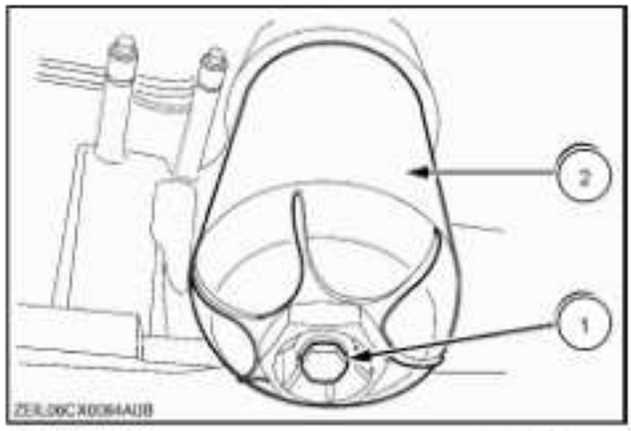
With the auto speed switch **(1)** in the off position. The feeder speed is set by the operator to a specific speed by pressing the top or bottom of the Feeder/header speed adjustment switch **(2)**. The speed may vary due to engine speed.



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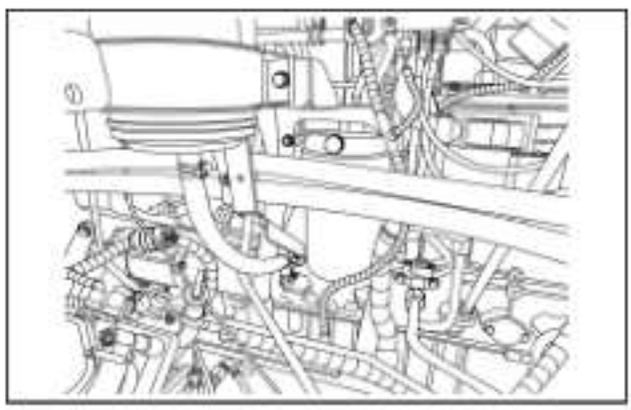
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7. Remove the plug **(1)** in the bottom of the filter housing **(2)**.
8. Drain the oil into a suitable container.
9. Remove the filter housing **(2)**.
10. Discard the old filter cartridge properly.



3

11. Install the new filter cartridge into the filter housing.
12. Apply a film of oil to the seal ring.
13. Screw on the filter **(1)** by hand.
14. Use a wrench to tighten the filter housing.
15. Close the oil drain stop cock and reinstall cap on drain hose.
16. Fill the engine with clean oil, refer to **7-39**.



4

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7240	Ballast Weight kg (lb)																															
Header Type & Size	2010 Rigid Auger Head			3016 Pickup Head		3020 Flex Auger Head				3050 Rigid Auger	3152 Rigid Draper					3152 Rigid Draper with Transport				3162 Flex Draper				3162 Flex Draper with Transport				3400/4400 Corn Head			4400 Chopping Corn Head		
	20'	25'	30'	12'	15'	20'	25'	30'	35'	41'	25'	30'	35'	40'	45'	30'	35'	40'	45'	30'	35'	40'	45'	30'	35'	40'	45'	8 Row	12 Row	12 Row F	8 Row	12 Row	12 Row F
Steer Tires																																	
600/65R28 154A8 R1W with HDASA Axle (7120 LAR Only)																																	
Wheel Weight	X			X		X				X	X				200 (440)	X			NA	X	200 (440)	X	NA	X			NA	X	160 (350)	NA	X		NA
Liquid Weight	X			X		X				300 (660)	X			300 (660)	970 (2140)	X		360 (790)	NA	X		510 (1120)	NA	X	340 (750)	860 (1900)	NA	X			NA	X	300 (660)	NA
600/65R28 154A8 R1W with PRA Axle (7120 LAR Only)																																	
Wheel Weight	X			X		X				X	X					X			200 (440)	X		160 (350)	NA	X			NA	X		NA	X	X	NA
Liquid Weight	X			X		X				X	X				820 (1810)	X			810 (1790)	X			NA	X		510 (1120)	NA	X		NA	X	X	NA
VF620/70R26 170A8 R1W with HDASA Axle (7240 & 8240 Only)																																	
Wheel Weight	X			X		X				X	X					X				X				X				X			X		
Liquid Weight	X			X		X				X	X					X				X			500 (1100)	X		350 (770)	750 (1650)	X		250 (550)	X		650 (1430)
VF620/70R26 170A8 R1W with PRA Axle (7240 & 8240 Only)																																	
Wheel Weight	X			X		X				X	X					X				X			160 (350)	X				X			X		
Liquid Weight	X			X		X				X	X					X				X				X			400 (880)	X			X		300 (660)
600/70R28 161A8 R1W with HDASA Axle (7240 & 8240 Only)																																	
Liquid Weight	X			X		X				X	X					X				X			500 (1100)	X		350 (770)	750 (1650)	X		250 (550)	X		650 (1430)
600/70R28 161A8 R1W with PRA Axle (7240 & 8240 Only)																																	
Liquid Weight	X			X		X				X	X					X				X			160 (350)	X			400 (880)	X			X		300 (660)
VF600/70R28 173A8 R1W with HDASA Axle																																	
Liquid Weight	X			X		X				X	X					X				X			500 (1100)	X		350 (770)	750 (1650)	X		250 (550)	X		650 (1430)
VF600/70R28 173A8 R1W with PRA Axle																																	
Liquid Weight	X			X		X				X	X					X				X			160 (350)	X			400 (880)	X			X		300 (660)
28L-26 12 PR R1 with HDASA Axle (7120 LAR Only)																																	
Wheel Weight	X			X		X				120 (260)	X			120 (260)	X	X			160 (350)	X				X				X			200 (440)	X		200 (440)
Liquid Weight	X			X		X				X	X				980 (2160)	X			1200 (2650)	X		320 (700)	1100 (2400)	X		670 (1480)	1440 (3170)	X		1440 (3170)	X		1440 (3170)
28L-26 12 PR R1 with PRA Axle (7120 LAR Only)																																	
Wheel Weight	X			X		X				X	X					X				X				X				X			X		
Liquid Weight	X			X		X				X	X				630 (1390)	X			850 (1870)	X			750 (1650)	X		320 (700)	1090 (2400)	X		1290 (2840)	X		1290 (2840)
VF710/65R26 177D R2 with HDASA Axle																																	
Liquid Weight	X			X		X				X	X					X				X			300 (660)	X		150 (330)	550 (1210)	X			X		450 (990)
VF710/65R26 177D R2 with PRA Axle																																	
Liquid Weight	X			X		X				X	X					X				X				X			200 (440)	X			X		100 (220)
750/65R26 166A8 R1W with HDASA Axle																																	
Liquid Weight	X			X		X				X	X					X				X			260 (570)	X		110 (240)	510 (1120)	X			X		410 (900)
750/65R26 166A8 R1W with PRA Axle																																	
Liquid Weight	X			X		X				X	X					X				X				X			160 (350)	X			X		
VF750/65R26 177A8 R1W with HDASA Axle																																	
Liquid Weight	X			X		X				X	X					X				X			260 (570)	X		110 (240)	510 (1120)	X			X		410 (900)
VF750/65R26 177A8 R1W with PRA Axle																																	
Liquid Weight	X			X		X				X	X					X				X				X			160 (350)	X			X		
IF850/60R26 CFO 179A8 R2 with HDASA Axle																																	
Liquid Weight	X			X		X					X					X				X				X				X			X		
IF850/60R26 CFO 179A8 R2 with PRA Axle																																	
Liquid Weight	X			X		X					X					X				X				X				X			X		
Note:																																	
1 - X = ballast not required.																																	
2 - NA = tires not approved.																																	
3 - For liquid ballast, use 3.5 lb (1.6 kg) or 5.0 lb (2.3 kg) of calcium chloride per 1 gallon (3.8 L) of water and fill to specified weight. Do not exceed 75% fill. Values shown are total, use half this amount in each tire.																																	
4 - For wheel weights, values shown are total, use half this amount on each steer wheel.																																	
5 - Ballast requirement above, applies for all drive tire sizes including tracks.																																	

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Top of combine



Engine fan



Rotary Air Screen and Cooler area



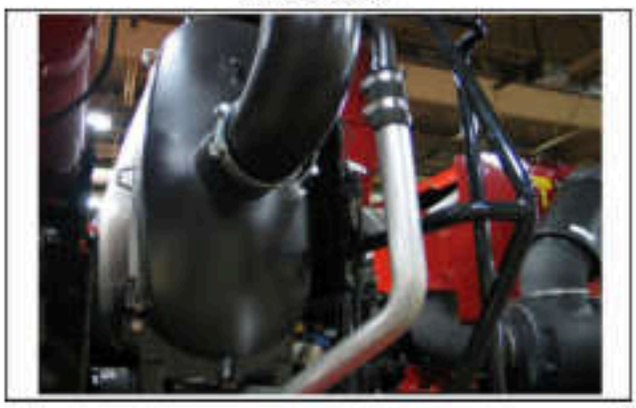
Turbo Charger and manifold area



Tier 2 and Tier 3 muffler area



Top of PTO gearbox



Tier 4 muffler area

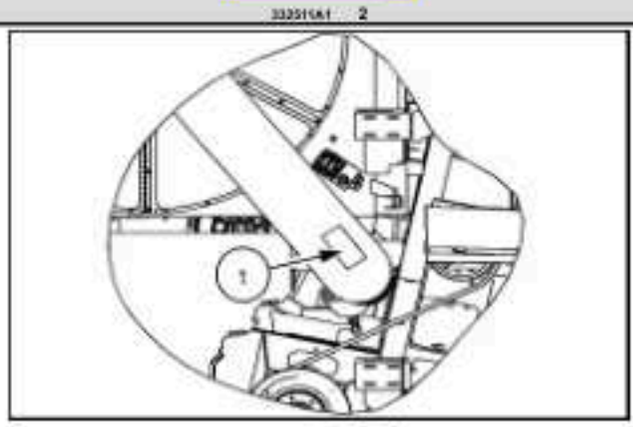
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Never reach into a rotating fan
332511A1
Quantity: 1



332511A1 2

(1) On the Stationary Air Screen (SAS) aspirator tube.



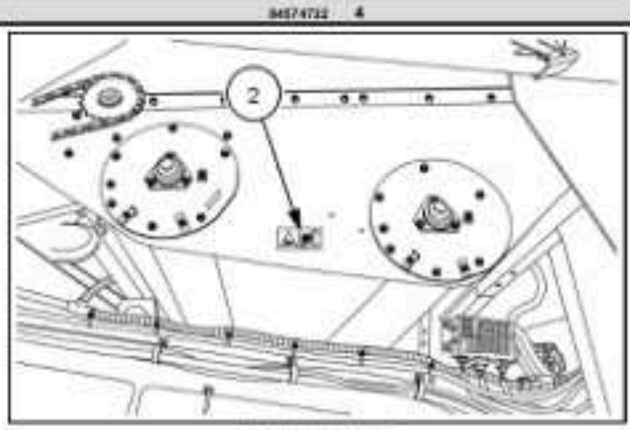
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Never reach into a rotating auger
84574722
Quantity: 1



84574722 4

(2) In the middle of the grain tank cross auger clean out doors



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Dimensions are in millimeter											
DRIVE TIRES / TRACKS	IF800/70R38 CFO 187A8 R1W	IF900/60R32 CFO 188A8 R1W	IF900/65R32 CFO 191A8 R2	900/75R32 184A8 R1W	VF1250/35R46 CFO 192A8 HF4	IF520/85R42 CFO 169A8 R1 & R1W	IF520/85R42 CFO 169A8/B R2	620/70R42 166A8 R1W	IF580/85R42 CFO 178A8 R1W	TRACKS (30" WIDE)	TRACKS (36" WIDE)
A	4450	4390	4426	4520	4576	4421	4457	4425	4472	4447	4447
B	908	848	884	978	1034	879	915	883	930	1070	1070
D	3542	3542	3542	3542	3542	3542	3542	3542	3542	3377	3377
E	3053	3053	3053	3053	3053	3053	3053	3053	3053	2888	2888
F	3829	3829	3829	3829	3829	3829	3829	3829	3829	3664	3664
G	2745	2745	2745	2745	2745	2745	2745	2745	2745	2844	2844
H	370	370	370	370	370	370	370	370	370	535	535
I	3752	3752	3752	3752	3752	3752	3752	3752	3752	3653	3653
J	3772	3772	3772	3772	3772	3772	3772	3772	3772	3673	3673
K	5282	5282	5282	5282	5282	5282	5282	5282	5282	5183	5183
L	6244	6244	6244	6244	6244	6244	6244	6244	6244	6145	6145
N	3684	3684	3684	3684	3684	3684	3684	3684	3684	3519	3519
O	2205	2205	2205	2205	2205	2205	2205	2205	2205	2304	2304
P1	6574	6574	6574	6574	6574	6574	6574	6574	6574	6475	6475
P2	6660	6660	6660	6660	6660	6660	6660	6660	6660	6561	6561
P3	7140	7140	7140	7140	7140	7140	7140	7140	7140	7041	7041
P4	8004	8004	8004	8004	8004	8004	8004	8004	8004	7905	7905
P5	8200	8200	8200	8200	8200	8200	8200	8200	8200	8101	8101
P6	8838	8838	8838	8838	8838	8838	8838	8838	8838	8739	8739
P7	10542	10542	10542	10542	10542	10542	10542	10542	10542	10443	10443
R1	3627	3627	3627	3627	3627	3627	3627	3627	3627	3462	3462
R2	4186	4186	4186	4186	4186	4186	4186	4186	4186	4021	4021
R3	4764	4764	4764	4764	4764	4764	4764	4764	4764	4599	4599
S1	3515	3515	3515	3515	3515	3515	3515	3515	3515	3350	3350
S2	3907	3907	3907	3907	3907	3907	3907	3907	3907	3742	3742
T1	7262	7262	7262	7262	7262	7262	7262	7262	7262	7262	7262
T2	8842	8842	8842	8842	8842	8842	8842	8842	8842	8842	8842
T3	10428	10428	10428	10428	10428	10428	10428	10428	10428	10428	10428
U1	6700	6700	6700	6700	6700	6700	6700	6700	6700	6700	6700
U2	7977	7977	7977	7977	7977	7977	7977	7977	7977	7977	7977
V	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628
W	3277	3277	3277	3277	3277	3277	3277	3277	3277	3277	3277
X	2590	2590	2590	2590	2590	2590	2590	2590	2590	2590	2590
Y	3247	3247	3247	3247	3247	3247	3247	3247	3247	3247	3247
Z	3311	3311	3311	3311	3311	3311	3311	3311	3311	3311	3311
AA	4763	4703	4739	4833	4889	4734	4770	4738	4785	4760	4760
BB	3855	3855	3855	3855	3855	3855	3855	3855	3855	3690	3690

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