Maxxum

MXM120, MXM130, MXM140, MXM155, MXM175, and MXM190 Tractors

Operators Manual

6–32931

CASE IH AGRICULTURE

Order the manual at mid-west-tech.com >

CONTENTS

Title **Page**

Section 1 – General Information and Safety

To the owner 1–1
Product identification 1–2
Ecology and the environment 1–5
Safety precautions 1–6
Safety decals 1–12
International symbols 1–16
Airborne noise emission 1–17

Section 2 – Controls, Instruments and Operation

Cab 2–6
Seats 2–18
Handbrake, Throttle and Foot Controls 2–24
Instrument Console 2–26
Analogue/Digital Instruments 2–29
Electronic Instrument Panel 2–35
Semi–Powershift Transmission (17 x 6 and 18 x 6) 2–55
Full Powershift Transmission (17 x 6, 18 x 6 and 19 x 6) 2–67
Electronic Management Unit 2–85

Section 3 – Field Operation

Starting and Stopping the Engine 3–4
Engine Power Management System 3–9
Constant Engine Speed Function 3–10
Rear Power Take–Off 3–12
Front Power Take–Off and Hydraulic Lift 3–28
Electronic Draft Control 3–36
Remote Control Valves 3–48
Electro–Hydraulic Remote Control Valves 3–55
Headland Turn Sequencing 3–65
Three–point Linkage 3–69
Front Wheel Track Adjustment 3–77
Rear Wheel Track Adjustment 3–88
Ballasting and Tyres 3–98

Section 4 – Lubrication and Maintenance

General information 4–2
Guard Removal 4–5
Lubrication and maintenance chart 4–6
Lubricants and coolants 4–7
Servicing when warning lights illuminate 4–8
10–hour/daily service 4–14
50–hour service 4–16
300–hour service 4–27
600–hour service 4–35
1200–hour/12 month service 4–37
1200–hour/24 month service 4–44

MidWestTech | Case Maxxum MXM120, MXM130, MXM140, MXM155, MXM175, MXM... Order the manual at mid-west-tech.com >

INSTRUMENT CONSOLE

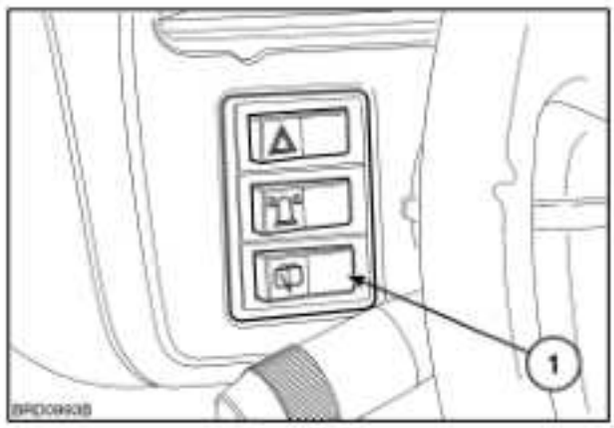
The following text describes the use of the various switches and controls, etc., mounted on the instrument console and steering column.

Rear Window Wipe/Wash Control

When the key–start switch is turned on, the rocker switch will be internally illuminated.

Press the left-hand side of the rocker switch (1) partially in to actuate the rear wiper, in intermittent mode. Press fully in to actuate the washer and wiper. The switch is spring-loaded and will return to the 'wiper on' position when released.

Press the right-hand side of the switch to turn the wiper off.



50

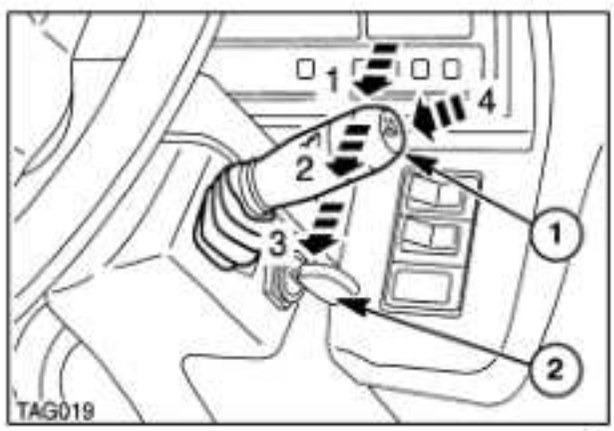
Front Windscreen Wipe/Wash Control

The stalk–type control (1) on the right–hand side of the steering column controls the front screen wiper and washer.

With the key–start switch on, move the stalk rearward, to position 1 and the wiper will operate in intermittent mode, sweeping the screen once every 5 seconds.

Move the stalk further rearward, position 2, to operate the slower of the two wiper speeds. Move the stalk fully rearward, position 3, and the higher wiper speed will be selected. Press in the end of the stalk, position 4, to operate the electric screen washer.

NOTE: *Both front and rear (if fitted) washer jets are mounted in the centre of the cab frame, immediately beneath the roof. Insert a pin into the jet nozzle to adjust the angle of the jet.*

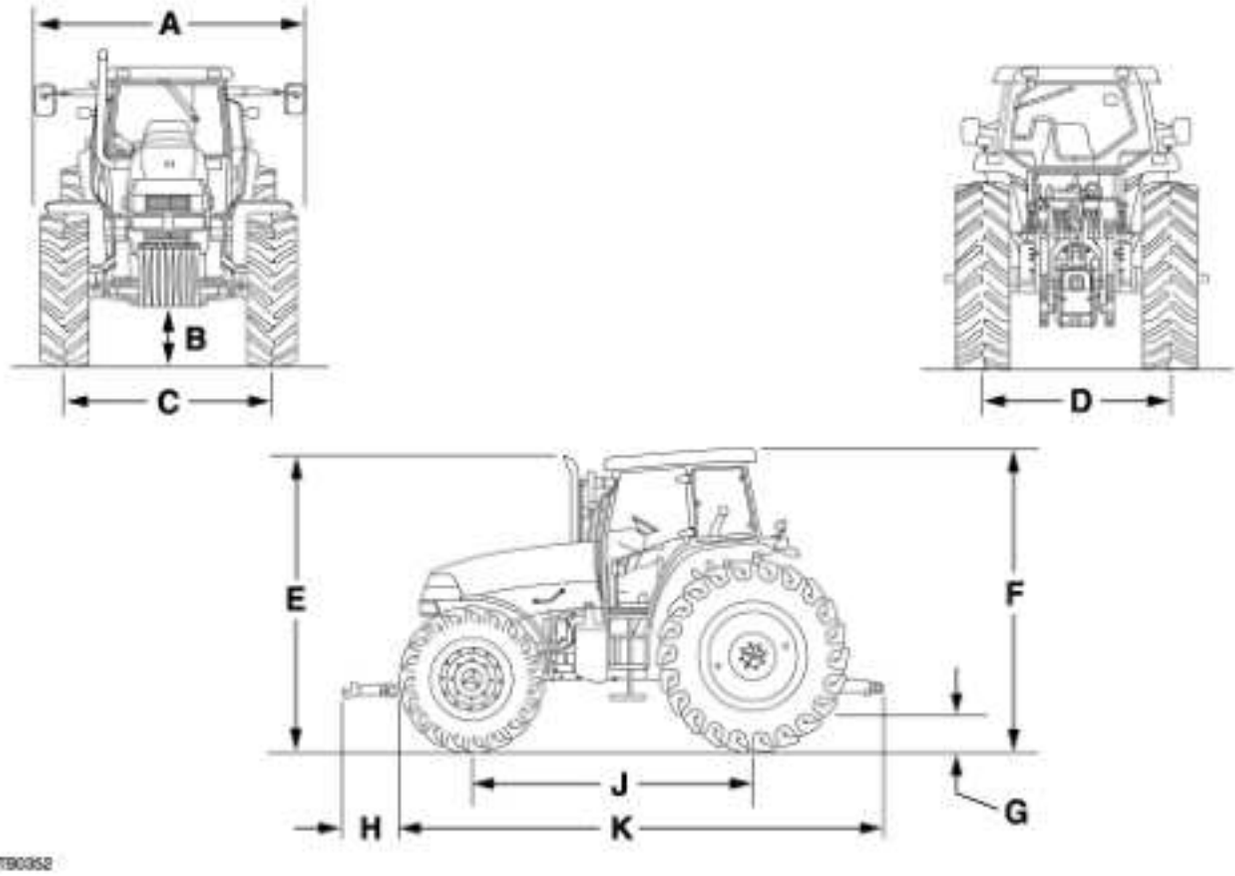


51

MidWestTech | Case Maxxum MXM120, MXM130, MXM140, MXM155, MXM175, MXM... Order the manual at mid-west-tech.com >

TRACTOR DIMENSIONS

MXM120, MXM130, MXM140, MXM155



BTB0352

NOTE: *The following dimensions are based on standard tractors fitted with tyre sizes as shown. Allowance must be made for tyres of larger or smaller dimensions:*

	Front tyres (2WD) 11.00 x 16	Front tyres (4WD) 14.9 R28	Rear tyres 18.4 R38
A	Standard fenders	2012 mm	79.2 in
	Extended fenders	2300 mm	90.6 in
B	Under standard 4WD front axle	500 mm	19.6 in
C	2WD	1543 – 2187 mm	60.8 – 86.1 in
	Manual adjust wheels	1552 – 2269 mm	61.1 – 89.3 in

MidWestTech | Case Maxxum MXM120, MXM130, MXM140, MXM155, MXM175, MXM... Order the manual at mid-west-tech.com >

LUBRICATION AND MAINTENANCE CHART

Service Interval	Operation No.	Maintenance Requirement	Check	Clean	Lube	Change	Adjust	Drain	Page No.
When warning lamp lights	1	Clutch fluid reservoir level (where fitted)	X				X		4-3
Every 300 hours	2	Transmission/rear axle/hydraulics oil level	X				X		4-3
Every 600 hours	3	Hydraulic and transmission oil filters				X			4-4
Every 1200 hours or annually	4	Transmission/rear axle/hydraulic oil and filter				X			4-5
General maintenance	5	Transmission calibration (Two-Speed Powershift)	X				X		4-6

RECOMMENDED FLUIDS

RECOMMENDED FLUIDS AND APPLICATIONS	AkcelA Specification	International Specification	Approximate Quantities
Engine Oil SAE15W-40 SAE10W-30	No.1 Engine Oil MS 1121	API CH-4, ACEA-E5	19 Litres (20 U.S. qts.)
Transmission, Rear Axle and Hydraulic System Oil -20x16 Synchro Shift -24x12 Two-Speed Powershift	Nexplore	MAT 3525	65 Litres (17.2 U.S. gal) 73 Litres (19.3 U.S. gal)
Front Wheel Drive Oil **Axle:-** MXM120-MXM140 **Hubs:-** MXM120-MXM140 - Per Hub	Nexplore	MAT 3525	9 Litres (9.5 U.S. qts.) 1.7 Litres (1.8 U.S. qts.)
Engine Radiator Coolant System Capacity Water Coolant	See * below Premium Antifreeze MS1710		26 Litres (6.9 U.S. gal.) 50% 50%
Air Conditioning Compressor Oil Low Viscosity Oil SP10	n/a	PAG-E13, ISO100 Viscosity	As Required
Brake Oil	LHM Fluid	ISO 7308	As Required
Grease Fittings and Bearings	Multi-Purpose Grease 251 HEP	NLGI2-251 EP-M	As Required

***NOTE:** Use antifreeze (50%) plus clean, soft water (50%). In order to reduce deposits and corrosion, water used in the cooling system should not exceed the following limits:*

Total Hardness:	Chlorides	Sulphates
300 parts per million	100 parts per million	100 parts per million

***IMPORTANT:** See Section 4 regarding use of coolant inhibitor where the above mentioned antifreeze is not available. In those hot countries where antifreeze is not available, use **clean** water only.*

MidWestTech | Case Maxxum MXM120, MXM130, MXM140, MXM155, MXM175, MXM... Order the manual at mid-west-tech.com >