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M1170 Windrower Operator’s Station Features

Ground Speed Lever (GSL) Buttons

Callout | Function
---|---
A | Reel speed/disc speed
B | Back
C | Select
D | Auto steer engage (if installed)
E | Reel position
F | One-Touch-Return presets
G | Header position
H | Shift
J | Scroll wheel and select

Ground Speed Lever (GSL) Shortcuts

Buttons | Function
---|---
Shift + back | Home page
Shift + select | Main menu access
Shift + scroll | Adjust maximum ground speed

Pro Tip
Easily activate the turn signals when transporting by using the REEL/DISC SPEED +/- buttons on the GSL.

Ground Speed Lever (GSL) Shortcuts

<table>
<thead>
<tr>
<th>Buttons</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shift + back</td>
<td>Home page</td>
</tr>
<tr>
<td>Shift + select</td>
<td>Main menu access</td>
</tr>
<tr>
<td>Shift + scroll</td>
<td>Adjust maximum ground speed</td>
</tr>
</tbody>
</table>

Harvest Performance Tracker (HPT) Display

Callout | Function
---|---
A | Soft keys 1-4 (opens run pages 1-4)
B | Home (returns to the last run page)
C | Scroll and select (scrolling highlights menu options, pressing knob activates selection)
D | Back (moves up one level in menu structure)
E | Main menu (accesses windrower and header settings)

Operator Console Features

Callout | Function
---|---
A | Auxiliary power outlets
B | USB jack
C | Ignition
D | Header drive
E | Header drive reverse
F | Throttle

Operator Console Button Shortcuts

<table>
<thead>
<tr>
<th>Button</th>
<th>Shortcut</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>Float menu</td>
</tr>
<tr>
<td>F2</td>
<td>One-Touch-Return</td>
</tr>
<tr>
<td>F3</td>
<td>Windrower settings</td>
</tr>
<tr>
<td>F4</td>
<td>Header settings</td>
</tr>
</tbody>
</table>

Operator Console Buttons

Callout | Function
---|---
A | Double window attachment (DWA)/swath roller attachment raise/lower
B | Deck shift draper right side delivery
C | Deck shift draper center delivery
D | Deck shift draper left side delivery
E | Draper/double windrow attachment (DWA) speed
F | Harvest performance tracker (HPT) shortcuts
G | Cab-forward field lights
H | Beacon lights
J | Turn signals
K | Hazard light
L | Clearance lights
M | Road lights
N | High beams
P | Windshield defog/defrost
Q | Air conditioning
R | Temperature
S | Blower speed (manual mode)
T | Horn
U | Auto fan speed
V | Cab air recirculation
W | Eco Engine Control (EEC)
X | Windshield wiper (rear)
Y | Wiper fluid (front and rear)
Z | Windshield wiper (front)

Normal Start – Engine Temperature above 15°C (60°F)

1. Lock operator’s seat in either cab-forward or engine-forward position, GSL in PARK, and HEADER DRIVE switch OFF.
2. Put your seat belt on. Set throttle to LOW IDLE position (fully back).
3. If HPT is still booting up, allow the Wait to Start (WTS) symbol to disappear before starting the engine.
4. Sound horn three times.
5. Turn ignition key to START position until engine starts, release key, and idle engine until temperature reaches 40°C (104°F). HPT displays MacDon logo for 16 seconds before switching to the header disengage page.
NOTE: The recommended tire pressure will vary depending on header type and header drive.

### Break-In Inspections

<table>
<thead>
<tr>
<th>Hr(s)</th>
<th>Item</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Drive wheel nuts</td>
<td>Torque: 510 Nm (375 ft lb) dry</td>
</tr>
<tr>
<td></td>
<td>A/C compressor belt</td>
<td>Tension</td>
</tr>
<tr>
<td>5</td>
<td>Caster wheel nuts</td>
<td>Torque: 170 Nm (125 ft lb)</td>
</tr>
</tbody>
</table>
|       | Caster wheel anti-shimmy damper bolts | Torque bolts: l/hub (x2): 135 Nm (100 ft lb)
|       | Walking beam width adjustment bolts | Torque: 759 Nm (560 ft lb) |
| 10    | Walking beam width adjustment bolts | Torque: 759 Nm (560 ft lb) |
| 50    | Hose clamps: air intake, radiator, and hydraulic | Hand-tighten unless otherwise noted. |
|       | Walking beam width adjustment bolts | Torque: 759 Nm (560 ft lb) |
|       | Caster wheel anti-shimmy damper bolts | Torque bolts to the same specification as 5 hour check. |

### Fluids and Lubricants

<table>
<thead>
<tr>
<th>Fluid</th>
<th>Capacity</th>
<th>Spec</th>
<th>Description/Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel exhaust fluid</td>
<td>28 L</td>
<td>Must meet ISO 2224 requirements</td>
<td>Diesel exhaust system</td>
</tr>
<tr>
<td>Fuel: diesel No.2</td>
<td>518 L</td>
<td>ASTM D-975 Grade S15</td>
<td>Sulphur (by weight) 0.5% max. water and sediment (by vol) 0.05% max. lubricity 520 microns</td>
</tr>
<tr>
<td>Fuel: diesel no.1 and no. 2 mix</td>
<td>518 L</td>
<td>n/a</td>
<td>Sulphur (by weight) 0.5% pref. 1% max. water and sediment (by weight) 0.1% max. lubricity 460 microns</td>
</tr>
<tr>
<td>Drive wheel lubricant</td>
<td>1.4 L</td>
<td>SAE 75W-140 or 80W-140 API service class GL-5</td>
<td>Fully synthetic gear lubricant (SAE J2360 preferred)</td>
</tr>
<tr>
<td>Grease</td>
<td>As required</td>
<td>SAE multi-purpose</td>
<td>High temperature extreme pressure EP2 max 1% molybdenum disulphide, lithium base unless otherwise noted</td>
</tr>
<tr>
<td>Engine oil pan</td>
<td>11 L (11 US Quarts)</td>
<td>SAE 15W-40 for API class SJ and CJ-4</td>
<td>Engine oil pan</td>
</tr>
<tr>
<td>Hydraulic oil</td>
<td>60 L (15 US Quarts)</td>
<td>Hydraulic transmission oil Refer to operator’s manual</td>
<td>Windrower drive and header drive</td>
</tr>
<tr>
<td>Gearbox oil</td>
<td>2.1 L (2.2 US Quarts)</td>
<td>SAE 75W-140 or 80W-140 API service class GL-5 (SAE J2360 preferred)</td>
<td>Fully synthetic gear lubricant for engine gearbox</td>
</tr>
<tr>
<td>A/C refrigerant</td>
<td>2.27 kg (5 lb.)</td>
<td>R134A</td>
<td>Cab A/C system</td>
</tr>
<tr>
<td>A/C compressor oil</td>
<td>240 cc (8.1 fl oz)</td>
<td>SP-15 PAG</td>
<td>Cab A/C compressor lubricant</td>
</tr>
</tbody>
</table>

### Tire Pressures

The recommended tire pressure will vary depending on header type and attachments installed. Refer to your M1170 Operator’s Manual for a complete list of recommended tire pressures.

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