FARMALL® 45A
FARMALL® 55A
Compact Tractor

OPERATOR'S MANUAL

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CASE IH AGRICULTURE

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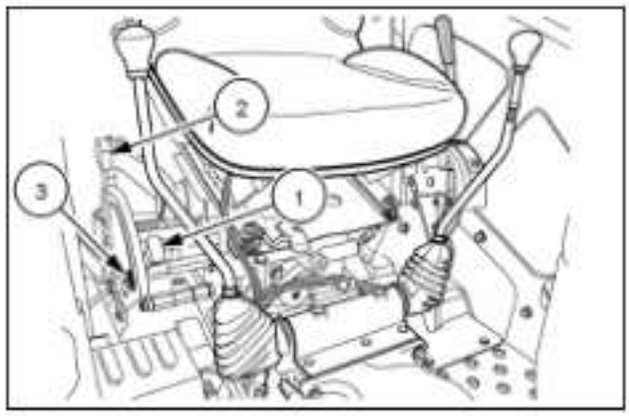
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Draft Control



NOTE: *Draft control is standard equipment on Farmall 55A and not available for Farmall 45A*

The draft control lever, **(1)**, sets the desired depth of the attached implement. Draft control is best when using implements that operate in the ground, such as plows, harrows, or cultivators. The draft loading on the implement increases and decreases as the working depth or the soil resistance changes.

To set the draft control, move the position control lever, **(2)**, to its full forward position. Then set the implement draft depth lower by moving the draft control lever forward, or set it higher by moving the lever rearward.

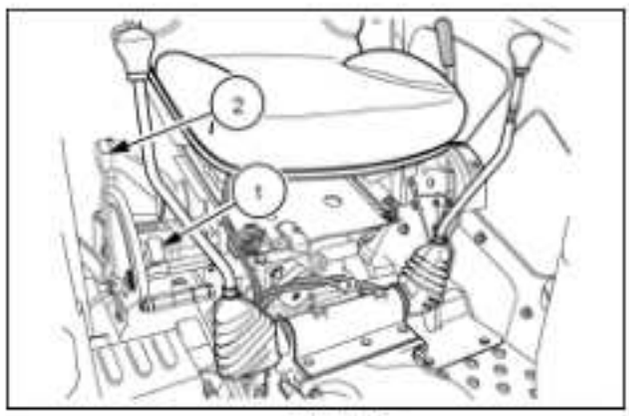
Implement depth will be promotional to draft, depending on the soil conditions. With draft control, the lift keeps the tractive effort steady automatically.

You can limit the range of manual draft lever operation by moving and tightening the stop, **(3)**.

Combined Draft and Position Control

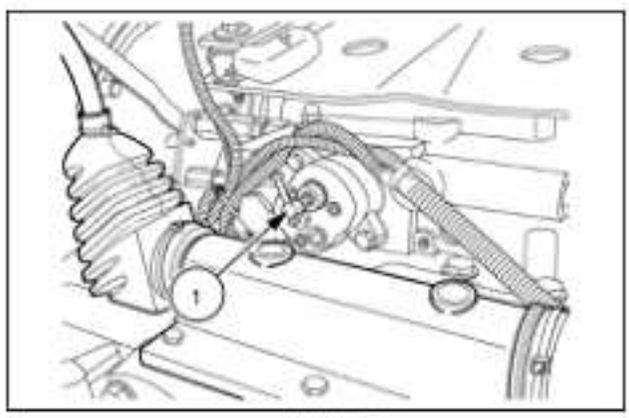
You can use Draft and Position Control together to operate in Draft Control but prevent the implement from sinking excessively when soil conditions change. First set the draft control lever, **(1)**, with the position control lever, **(2)**, fully forward. Then move the position control lever back until the link arms start to rise. The position control lever sets the lowered position of the hydraulic lift.

Float Operation



Move the Draft Control lever, **(1)**, and Position Control lever, **(2)**, fully forward. The three-point linkage will now be free to "float" or follow the ground contour, a feature useful for scraper blades, etc.

Response Control



The response control knob, **(1)**, varies the speed of drop of the lower links.

CLOCKWISE rotation – Decreases speed of drop

COUNTER-CLOCKWISE rotation - Increases speed of drop

NOTICE: *To lock implements in transport position when driving on road, fully raise Position Control lever, **(2)**, Refer figure **5** and screw in (rotate clockwise) knob, **(1)**, Refer figure **6**.*

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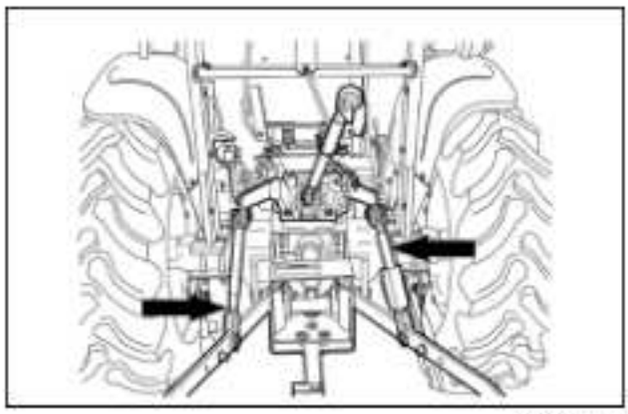
Lubrication points

Grease Fittings

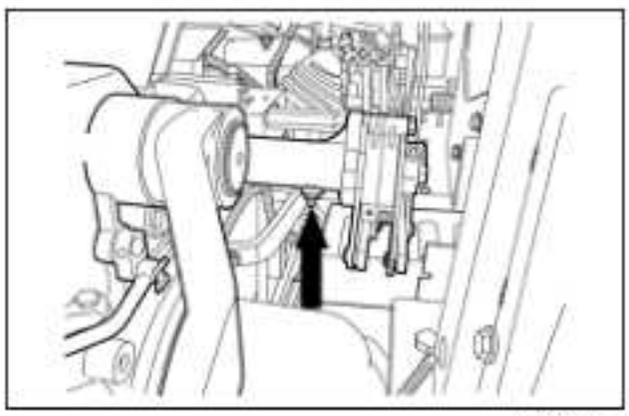
Apply grease with the help of a grease gun to the lubrication fittings, as shown in Figures 1 - 10.
Use only Genuine **CASE IH AKCELA 251H EP MULTI-PURPOSE GREASE** .

NOTICE: *Grease daily when operating in adverse conditions, but do not overgrease, damage to the seals may occur, where applicable.*

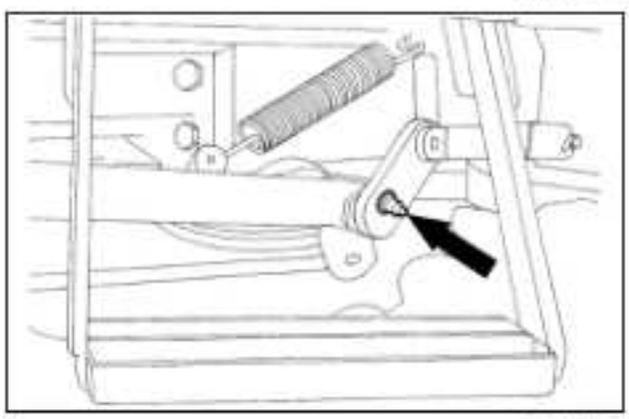
1. Hydraulic lift linkages



2. Hydraulic lift lever shaft



3. Clutch pedal shaft



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9 - SPECIFICATIONS

General specifications

	Farmall 45A	Farmall 55A
ENGINE		
Type/Model	Diesel/N844L	Diesel/N844LT
Emission Level	Tier 3	Tier 3
Engine Net Horsepower	**33 kW (45 Hp)**	**41 kW (55 Hp)**
PTO Horsepower	**29 kW (39 Hp)**	**35.5 kW (47.6 Hp)**
Cylinders	4	4
Bore	**84 mm (3.31 in)**	**84 mm (3.31 in)**
Stroke	**100 mm (3.94 in)**	**100 mm (3.94 in)**
Displacement	**2.2 l (135.2 in³)**	**2.2 l (135.2 in³)**
Compression Ratio	22:4:1	22:4:1
Firing Order	1-3-2	1-3-4-2
Aspiration	Natural	Turbocharged
Low Idle Speed	**1050 ± 50 RPM**	**1100 ± 50 RPM**
Maximum no-load speed	**2900-2950 RPM**	**2900-2950 RPM**
Rated Speed	**2700 RPM**	**2700 RPM**
Tappet Clearance		
Intake/Exhaust (cold)	**0.2 mm (0.008 in)**	**0.2 mm (0.008 in)**
Crankcase Oil Capacity	**5.5 l (5.8 US qt)**	**6.3 l (6.6 US qt)**
CAPACITIES		
Fuel Tank	**51 l (13.5 US gal)**	**51 l (13.5 US gal)**
Cooling system	**8.5 l (9.0 US qt)**	**10 l (10.5 US qt)**
Engine Crankcase Oil Capacity	**5.5 l (5.8 US qt)**	**6.3 l (6.6 US qt)**
Rear Axle & Transmission	**25 l (6.6 US gal)**	**25 l (6.6 US gal)**
Front Axle (FWD)	**7.5 l (8.0 US qt)**	**7.5 l (8.0 US qt)**
COOLING SYSTEM		
Type	Pressurized Liquid with Recirculating bypass	Pressurized Liquid with Recirculating bypass
Water Pump	Centrifugal	Centrifugal
Drive	V-Belt	V-Belt
Belt Deflection	**10 - 15 mm (7/16 - 9/16 in)** when **9 - 11 kg (20 - 25 lb)** pressure is applied midway between belt pulleys	**10 - 15 mm (7/16 - 9/16 in)** when **9 - 11 kg (20 - 25 lb)** pressure is applied midway between belt pulleys
Fan Diameter	**410 mm (16.1 in)**	**410 mm (16.1 in)**
Number of Fan Blades	6	8
Thermostat:		
Start to Open	**71 °C (160 °F)**	**71 °C (160 °F)**
Fully Open	**82 °C (180 °F)**	**82 °C (180 °F)**
Radiator Cap	**90 kPa (13 psi)**	**90 kPa (13 psi)**
Antifreeze	Ethylene Glycol	Ethylene Glycol
System Capacity	**8.5 l (9.0 US qt)**	**10 l (10.5 US qt)**

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