# Farmall 31, Farmall 35 Tractors

# Operator's Manual

**87667449** 1/08
1st Printing

CASE IH

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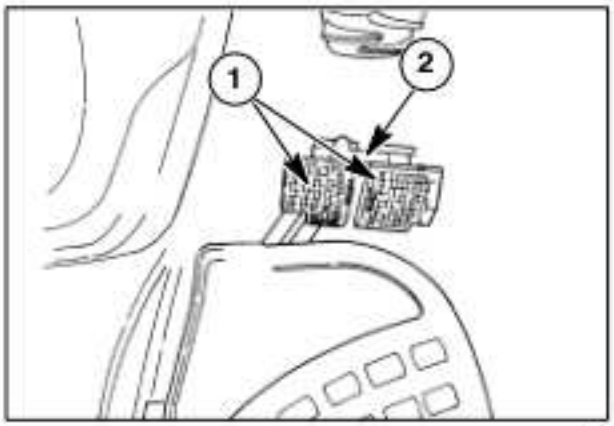
## BRAKE CONTROLS

### Brake Pedals

The right brake pedal controls the braking action of the right rear wheel. The left brake pedal controls the left rear wheel brake.

Depress both pedals, 1, simultaneously to stop the tractor. To assist in making sharp turns at slow speed, depress the right or left brake pedal as required.

***NOTE:*** *Depressing the left or both brake pedals will disconnect the HST speed control.*




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**⚠ WARNING ⚠**

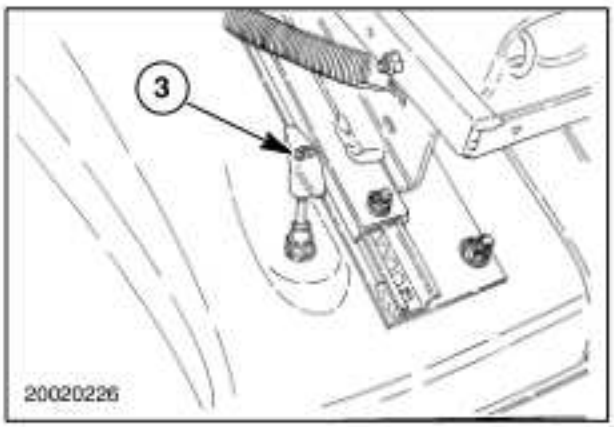
**When operating the tractor at high speeds, never attempt to make sharp turns by using the brakes. Failure to comply could result in death or serious injury.**

### Brake Pedal Lock

The brake pedal lock, 2, is used to secure the brake pedals together. Lock the pedals together, as shown in the illustration at right, whenever the tractor is operated at high speeds or when the tractor is used on the highway.

### Park Brake Control

The park brake, 3, Figure 25, is used to lock the brake pedals in the applied position. Use the park brake whenever the tractor is parked or when the operator is out of the seat.




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To apply the park brake:

1. Lock the brake pedals together using the brake pedal lock.
2. Firmly depress both brake pedals.
3. Pull up on the "T" park brake handle, 3, and both brake pedals will remain in the applied position.

**⚠ WARNING ⚠**

**Verify that the park brake is applied before dismounting the tractor. Failure to comply could result in death or serious injury.**

To release the park brake:

1. Depress the brake pedals to release the retainer.
2. Unlock the brake pedals if operating conditions require independent rear wheel braking action.



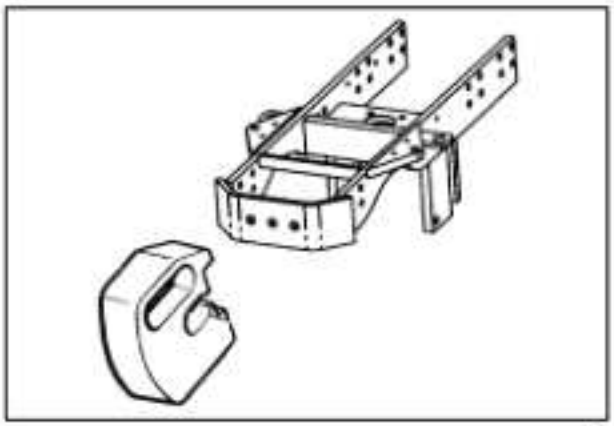
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## CAST IRON WEIGHTS (OPTIONAL)

Cast iron weights are available as accessories from your Case IH Dealer. Weights can be mounted on the front end of the tractor and on the rearmost wheels.

### Front Weights

| Tire Type | Weight(s) |
|---|---|
| Agricultural, Turf, & Industrial | Maximum of (2) weights per tractor @ 26 kg (57 lb) each - 52 kg (114 lb) total<br><br>Optional: (2) weights @ 45 kg (100 lb) each - 90 kg (200 lb) total |



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### Front Weight Carrier Bracket #718233006 (Optional)

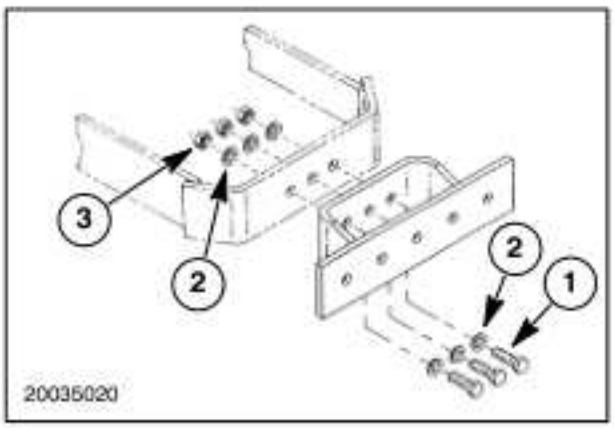
An extension mounting bracket is available, which can be installed on the front of the tractor frame. The extension mounting bracket is used if more than two front end weights are needed for counterbalancing. When the extension bracket is installed, a maximum of (5) front weights can be installed.

Weight options:

(5) 60 lb weights, for a maximum of 300 lb

(5) 100 lb weights, for a maximum of 500 lb

***NOTE:*** *The front extension mounting bracket, is compatible with a front grill guard but not with a LX114 loader installed.*




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### Extension Bracket (Mounting Hardware)

| Item | Qty. | Description |
|---|---|---|
| 1 | 3 | 5/8 in x 2 hex head bolt |
| 2 | 6 | 5/8 in flat washer |
| 3 | 3 | 5/8 in nut |



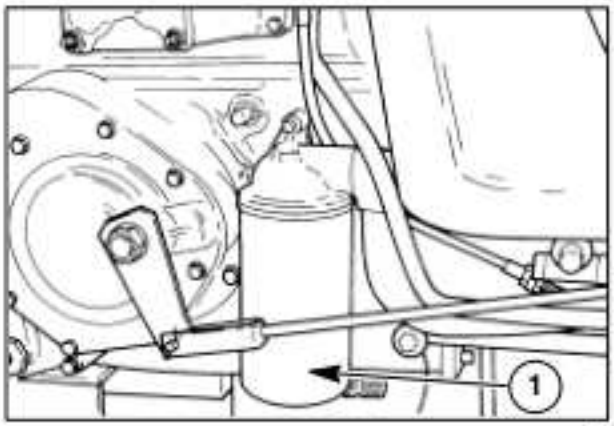
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## HYDRAULIC SYSTEM OIL FILTER

***NOTE:*** *Replace the hydraulic system oil filter after the first 50 hours of operation, and then following every 300 hours of operation thereafter.*

The hydraulic system uses a spin-on type oil filter. To replace the filter, 1:

1. Unscrew the used oil filter and discard.
2. Coat the gasket on the new filter with a film of clean oil. Screw the filter into place until the gasket contacts the sealing surface, then tighten the filter by hand approximately three-quarters of a turn. Do not overtighten.
3. Start the engine and check the filter for leaks.
4. Stop the engine and check the hydraulic system oil level. Add oil if necessary.



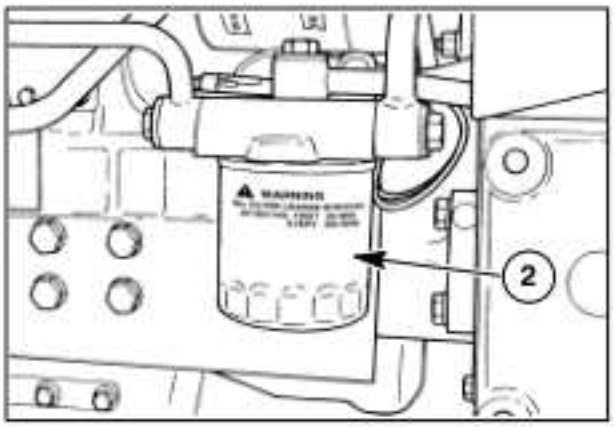

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## H.S.T. SYSTEM OIL FILTER

***NOTE:*** *Change the H.S.T. system oil filter after the first 50 hours of operation, and then following every 300 hours of operation thereafter.*

To change the H.S.T. system oil filter, 2, follow the procedures found above for changing the hydraulic system oil filter.

***NOTE:*** *H.S.T. filter Part # SBA340501030 has an internal bypass valve. The filter bypass valve will open when a pressure differential of 2.5 bar (36 psi) or greater is present between the inlet and outlet ports of the filter. The bypass valve protects the filter from damage during cold weather operation. The use of this filter is recommended in all temperature conditions, specially temperatures at or below -18 ℃ (0 ℉).*




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