**SR130 SR210**
**SR160 SR240**
**SR175 SV185**
**SV280**
**Tier 4B (final)**
Alpha Series Skid Steer Loader

**TR270**
**TR310**
**Tier 4B (final)**
Alpha Series Compact Track Loader

# OPERATOR'S MANUAL

**Part number 47852744**
2nd edition English
April 2015
*Replaces part number 47683888*

CASE CONSTRUCTION

MidWestTech | Case SR130, SR210, SR160, SR240, SR175, SV185, SV280, TR270, TR310 Tier 4B Skid Steer Loader Operator's Manual | Publication 47852744
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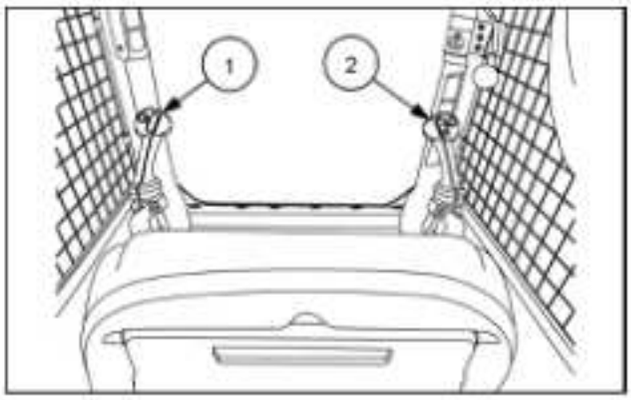
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# Moving the machine

Push both the left-hand control lever **(1)** and the right-hand control lever **(2)** forward, from neutral, to move the machine forward. Pull both of the control levers rearward from neutral, to move the machine in reverse. Move the control levers forward a short distance for maximum power and slow speed. Move the control levers completely forward for maximum speed.

Move both control levers to NEUTRAL to stop movement of the machine.




1



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## EVERY 250 HOURS

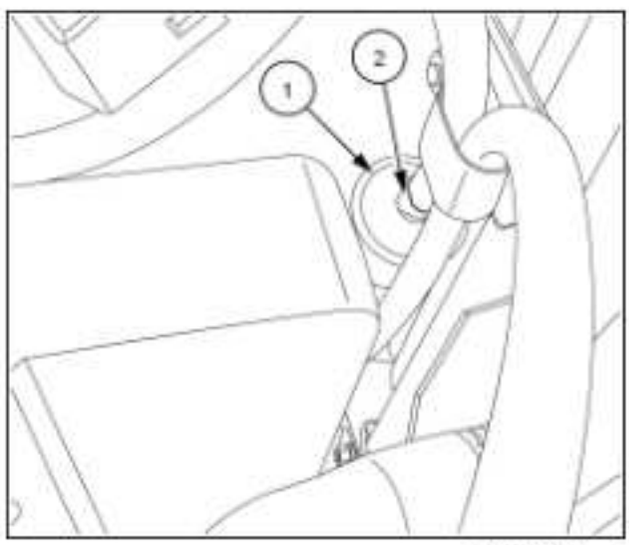
# In-line fuel filter (models SR130 and SR160 only)

The in-line fuel filter **(1)** should be replaced every 250 hours of operation. Perform this procedure only when all machine components are cool.

### Models SR130 and SR160 only

### Removal

1. Place the machine on a firm, level surface.
2. Open the engine hood and rear service door. Engage the rear service door latch located near the lower hinge. The in-line fuel filter is located to the right near the coolant reservoir.
3. Loosen and slide the clamps **(2)** away from both sides of the in-line fuel filter **(1)**.
4. Grab the fuel hose with one hand and the filter with the other. Twist and pull away from each other to remove the filter from the hose. Repeat procedure for the other side.




### Installation

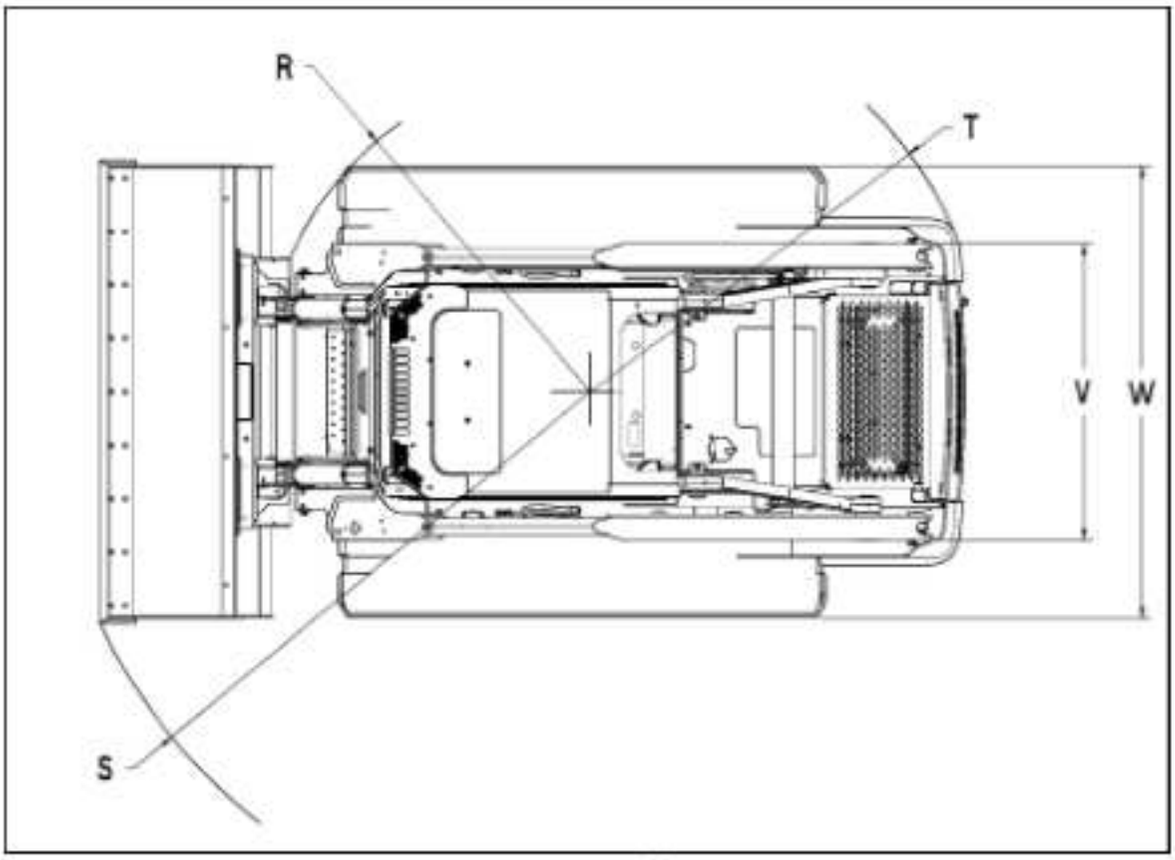
1. Grab the fuel hose with one hand and the filter with the other. Push the fuel hose onto the fuel filter. Repeat procedure for the other side.

***NOTE:*** *Be sure the arrow marked on the filter is facing in the same direction as the old filter.*

2. Slide the clamps in place on each end of the fuel filter and tighten.
3. Unlatch and close rear service door and close engine hood.



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**MEDIUM RADIAL FRAME TRACK UNITS (TR270 and TR310)**

| ITEM | COMPONENT | MEASUREMENT | |
|---|---|---|---|
| | | TR270 | TR310 |
| R | Clearance circle radius without tool | **1410.0 mm (55.5 in)** | |
| | Bucket size | **1828.8 mm (72.0 in)** bucket | **1981.2 mm (78.0 in)** bucket |
| S | Clearance circle radius with DF bucket | **2132.0 mm (83.9 in)** | **2166.0 mm (85.3 in)** |
| S | Clearance circle radius with LP bucket | **2226.0 mm (87.6 in)** | **2263.0 mm (89.1 in)** |
| S | Clearance circle radius with LPE bucket | **2344.0 mm (92.3 in)** | **2374.0 mm (93.5 in)** |
| T | Clearance circle radius rear | **1501.0 mm (59.1 in)** | |
| V | Over the track width | **1356.0 mm (53.4 in)** | |
| W | Overall width | **1676.0 mm (66.0 in)** | |
| Operating weight | | **3750 kg (8267 lb)** | **4027 kg (8878 lb)** |
| SAE Rated Operating Capacity (ROC) | | | |
| | 35% of tipping load | **860 kg (1896 lb)** | **984 kg (2169 lb)** |
| | 50% of tipping load | **1225 kg (2701 lb)** | **1406 kg (3100 lb)** |
| Tipping load | | **2450 kg (5401 lb)** | **2810 kg (6195 lb)** |
| Counter weight (optional) | | **63.8 kg (140.7 lb)** | |
| Cab side glass (optional) | | **21.3 kg (47.0 lb)** | |
| Cab glass door (optional) | | **34.0 kg (75.0 lb)** | |
| Cab Lexan door (optional) | | **34.0 kg (75.0 lb)** | |
| Suspension seat (optional) | | **10.0 kg (22.0 lb)** | |

***NOTE:*** *All measurements are based on machines with a* ***1828.8 mm (72.0 in)*** *Dirt & Foundry (DF) bucket.*

***NOTE:*** *Clearance Circle Radius (R, S, T) values were calculated using a 50/50 weight distribution (center point of counter rotation centered between the axles) and with the bucket resting flat on ground.*



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# Machine safety sign information

**⚠ WARNING**

**Avoid injury!**
**Make sure safety signs are legible. Clean safety signs regularly. Replace all damaged, missing, painted over, or illegible safety signs. See your dealer for replacement safety signs. If a safety sign is on a part that is replaced, make sure the new part has a safety sign.**
**Failure to comply could result in death or serious injury.**

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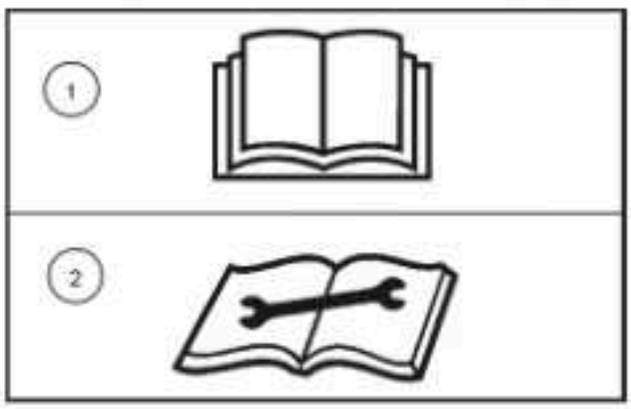
The following safety signs are placed on your machine as a guide for your safety and for those working with you. Walk around the machine and note the content and location of these safety signs before operating your machine.

Keep safety signs clean and legible. Clean safety signs with a soft cloth, water, and a gentle detergent. Do not use solvent, gasoline, or other harsh chemicals. Solvents, gasoline, and other harsh chemicals may damage or remove safety signs.

Replace all safety signs that are damaged, missing, painted over, or illegible. If a safety sign is on a part that is replaced, make sure the safety sign is installed on the new part. See your dealer for replacement safety signs.

## Read operator's manual symbol (1)

Safety signs that display the "Read Operator's Manual" symbol **(1)** are intended to direct the operator to the operator's manual for further information regarding maintenance, adjustments, or procedures for particular areas of the machine. When a safety sign displays this symbol, refer to the appropriate page of the operator's manual.




## Read service manual symbol (2)

When a decal displays the "read service manual" symbol **(2)**, refer to the service manual for specific information such as service, operation, maintenance, or adjustment. See an authorized dealer for a service manual.

One or both of these symbols may appear on a decal relating to safety, machine operation or service. To the right is a sample safety sign that directs the machine operator or service technician to the operator's manual **(1)** for additional information concerning this procedure.




ISO two-panel pictorial symbol safety signs.
The first panel indicates the nature of the hazard. The second panel indicates the appropriate avoidance of the hazard. The background color is YELLOW. Prohibition symbols such as STOP, if used are RED.





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