

NEW HOLLAND

REPAIR MANUAL

T2410
T2420
Tractors

NEW HOLLAND AGRICULTURE

SERVICE

87725020

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T2410, T2420
REPAIR MANUAL
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The following pages are the collation of the contents pages from each section and chapter of the T2410, T2420 Repair manual. Complete Repair part # 87725020.

The sections used through out all New Holland product Repair manuals may not be used for each product. Each Repair manual will be made up of one or several books. Each book will be labeled as to which sections are in the overall Repair manual and which sections are in each book.

The sections listed above are the sections utilized for the T2410, T2420 Tractors.

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SECTION 00 - GENERAL INFORMATION

BOOK 1 - 87693284

Chapter 1 - General Information

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SECTION 10 - ENGINE

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Chapter 1 - Engine Components

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TROUBLESHOOTING

GENERAL

CONDITION	CAUSE	REMEDY
Fuel not reaching injection point	Fuel shutoff valve closed	Open the fuel shutoff valve
	Restricted fuel filter	Check and flush the fuel filter clean
	Faulty fuel stop solenoid	Check fuel stop solenoid. See "Fuel Stop Solenoid", Section 55
	Air in fuel system	Check for air leaks on the suction side of system. Bleed the fuel system
	Fuel leakage	Check the condition of the fuel lines and connections for tightness or possible damage
Fuel reaching nozzles but engine will not start	Low cranking speed	Check cranking
	Incorrect throttle adjustment	Check throttle control or travel
	Incorrect pump	Check pump timing
	Fuel Leakage	Check all fuel lines for leakage or possible damage
	Faulty injectors	See "Troubleshooting - Fuel Injectors" later in this section
	Low compression	Check for air leaks on the suction side of system. Bleed the fuel system
Engine hard to start	Low cranking speed	Check cranking
	Incorrect throttle adjustment	Check throttle control or travel
	Restricted fuel filter	Check and flush fuel filter clean
	Contaminated fuel	Check for water in fuel
	Low compression	Check engine compression. See "Engine Compression Test", Section 10
	Air in fuel	Check for air leaks on the suction side of system. Bleed the fuel system

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Rear Counterweight Bracket (Optional)
#718740016

Weight bracket, 1, fits any 3 pt. hitch. Maximum of seven suitcase weights.

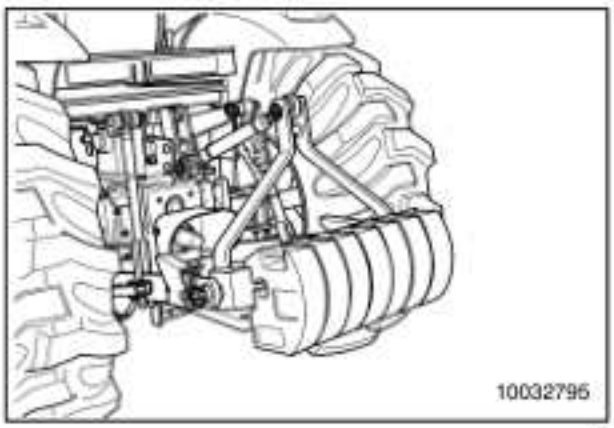
(7) 27 kg (60 lbs) each - 191.0 kg (420 lbs) total

or

(2) 27 kg (60 lbs)

and

(5) 45 kg (100 lbs) - 282 kg (620 lbs) total

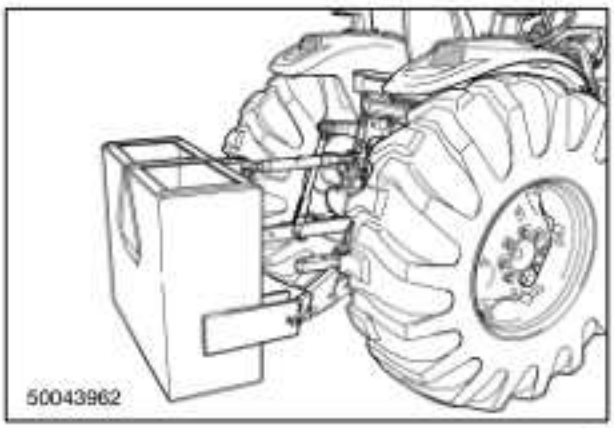


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Ballasting Box
#715655026

A Category-2, 3-point hitch, 1825 lbs. capacity ballasting box may be purchased as extra equipment. Load with sand, gravel, or similar loose ballast as needed.

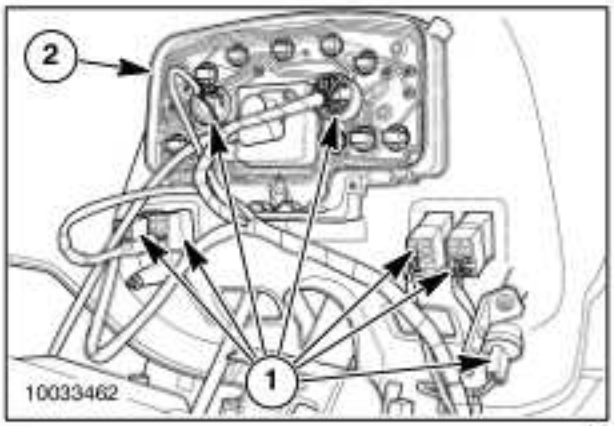
T2410 T2420	Weight (Empty)	Weight (Loaded)
3-Point Hitch Ballasting Box	170kg (374 lbs)	998 kg (2200 lbs)



7

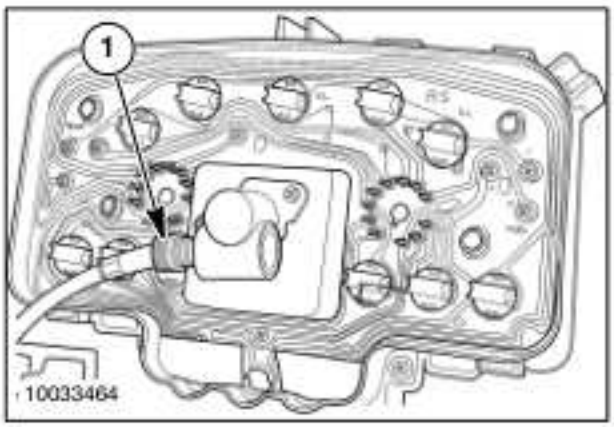
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7. Remove the bolts securing the dash panel to the tractor.
8. Disconnect the wire harness plugs, 1, from the rear of the instrument panel, 2.



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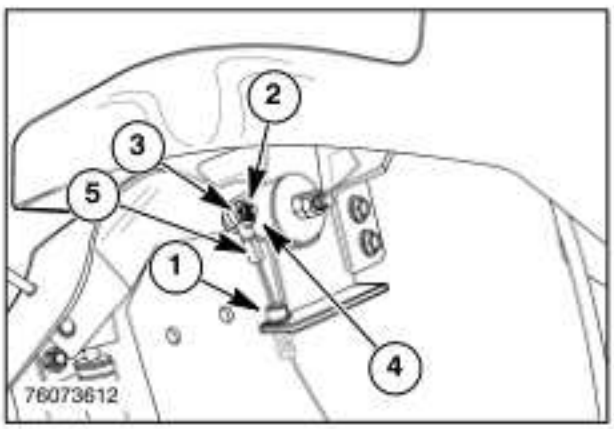
9. Disconnect the tachometer cable, 1, from the instrument panel.



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NOTE: *Remove the dash panel with the hand throttle assembly attached.*

10. Remove the clip, 1, from the throttle cable.
11. Remove the cotter pin, 2, and washer, 3, from the throttle lever, 4. Remove the throttle cable, 5, from the lever.
12. Making sure all components are free, remove the dash panel by lifting over the gearshift lever.



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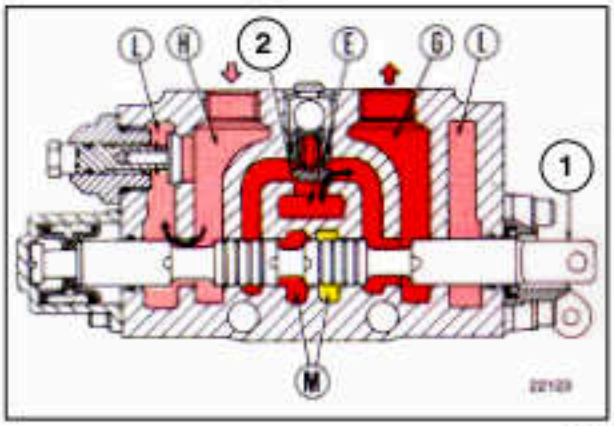
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DOUBLE-ACTING, THREE POSITION, SINGLE SPOOL REAR REMOTE VALVE (W/O KICK-OUT OR FLOAT)

Lift

Movement of the control lever rearward transmits to the auxiliary control valve spool, 1, via mechanical linkage. The position of the spool allows oil from the upper chamber of the lift cylinder to enter port (H) and exhaust through port (L). The pressure in port (E) exits through port (G) by way of the check valve, 2, to the lower chamber of the lift cylinder.

Keeping the control lever pulled back extends the cylinder through a full stroke. On releasing the lever, the spool return spring automatically returns the spool to the neutral position, which allows all oil from the pump to flow through port (M) and on to the lift control valve.

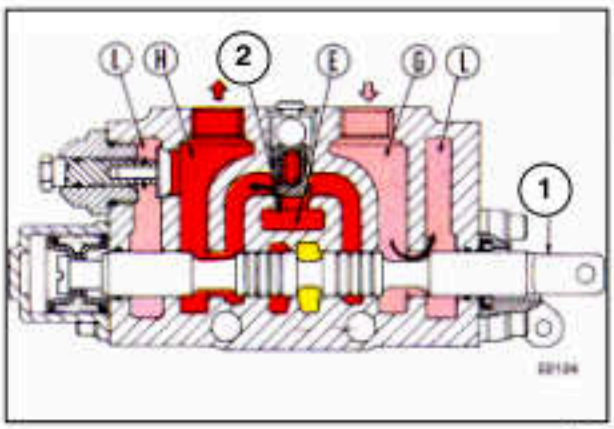


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Lower

Movement of the control lever forward transmits to the auxiliary control valve spool, 1, via mechanical linkage. The position of the spool allows oil from the upper chamber of the lift cylinder to enter port (G) and exhaust through port (L). The pressure in port (E) exits through port (H) by way of the check valve, 2, to the upper chamber of the lift cylinder.

Keeping the control lever pushed forward retracts the cylinder through a full stroke. On releasing the lever, the spool return spring automatically returns the spool to the neutral position, which allows all oil from the pump to flow through port (M) and on to the lift control valve.



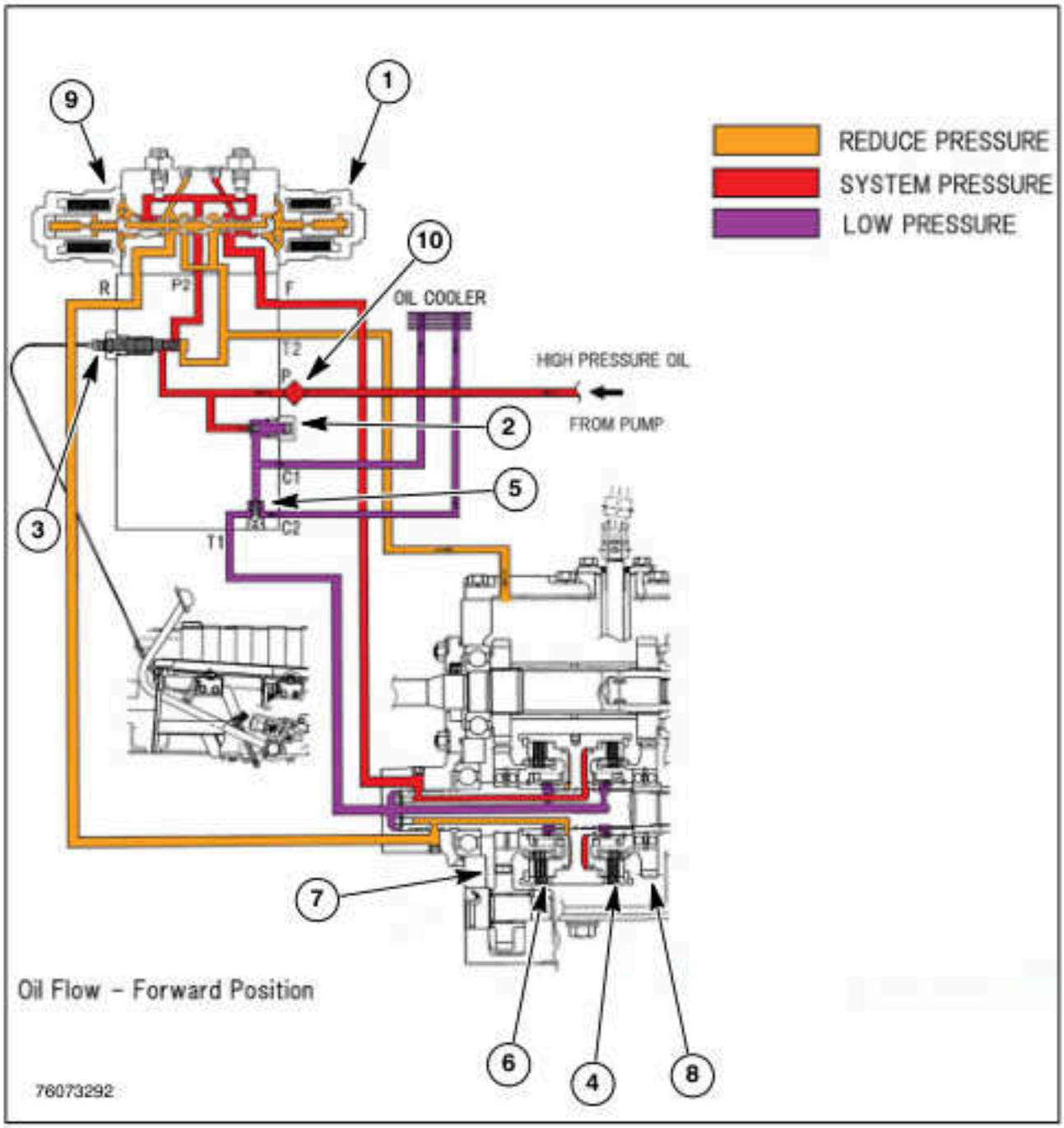
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Pressurized oil

Oil in suction, delivery or exhaust

Static oil

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2410 and 2420

Forward Position

1. Forward Solenoid
2. System Pressure Relief Valve
3. F/R Clutch Cutoff Valve
4. Forward Clutch Assembly
5. Check Valve
6. Reverse Clutch Assembly
7. Reverse Counter Gear
8. Forward Counter Gear
9. Reverse Solenoid
10. Oil Filter

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