

Assembly, Operator's and Parts Manual

Part No. P9949

9/99

WARRANTY REGISTRATION AND POLICY

Buhler Manufacturing products are warranted for a period of twelve (12) months from original date of purchase, by original purchaser, to be free from defects in material and workmanship under correct, normal agricultural use and proper applications.

Buhler Manufacturing's obligations under this warranty shall be limited to the repair or exchange, at Buhler Manufacturing's option, of any Buhler Manufacturing product or part which proves to be defective as provided. Buhler Manufacturing reserves the right to either inspect the product at the buyer's location or have it returned to the factory for inspection.

The above warranty does not extend to goods damaged or subject to accident, abuse or misuse after shipment from Buhler Manufacturing's factory, nor to goods altered or repaired by anyone other than an authorized Buhler Manufacturing representative.

Buhler Manufacturing makes no Express Warranties other than those which are specifically described. Any description of goods, including any references and specifications in catalogues, circulars and other written material published is for the sole purpose of identifying goods and shall conform to such descriptions. Any sample or model is for illustrative purposes only and does not create an Express Warranty that the goods conform to sample or model shown.

The purchaser is solely responsible for determining suitability of goods sold. This warranty is expressly in lieu of all other warranties expressed or implied. Buhler Manufacturing will in no event be liable for any incidental or consequential damages whatsoever, nor for any sum in excess of the price received for the goods for which liability is claimed.

WARRANTY CLAIMS:

Warranty requests must be prepared on Buhler Manufacturing Warranty Claim Forms with all requested information properly completed. Warranty Claims must be submitted within a thirty (30) day period from date of failure repair.

WARRANTY LABOR:

Any labor subject to warranty **must** be authorized by Buhler Manufacturing. The labor rate for replacing defective parts, where applicable, will be credited at a rate determined by the Company, Buhler Manufacturing.

IMPORTANT FACTS: Buckets and Bucket Tines Carry No Warranty Bent Spears Carry No Warranty Snowblower Fan Shafts Carry No Warranty Mower Blades Carry No Warranty Portable Auger Parts Have Two (2) Year Warranty Loader Parts Have Two (2) Year Warranty

PRINTED IN CANADA

795 Hydraulic Farm Loader

Operator's Manual Table of Contents

Section	Description	Page
	Warranty Registration and Policy Table of Contents	
Introduction and Identification	Loader Specification Chart Torque Chart Pre-delivery Check List Loader Identification Diagram Hydraulic Hose Kit Identification Diagrams	2 3 4
Safety and Pre-use Information	Safety Important Precautions Safety Decals Lubrication and Decals Location Diagram	7 8
Operating Information	General Instructions and Information Operation and Maintenance Operating Suggestions for Loading Operating Suggestions for Backfilling Attaching the Loader to Your Tractor Removing the Loader from Your Tractor Trouble Shooting General Notes and Instructions TSL General Notes and Instructions	
Assembly and Parts Information	Notes Sub-frame Diagram Mainframe Diagram TSL Mainframe Diagram Hydraulic Plumbing Diagram HSL Hydraulic Plumbing Diagram TSL Hydraulic Plumbing Diagram Hydraulic Cylinder Assembly	

,



PLEASE READ AND UNDERSTAND THIS MANUAL **BEFORE OPERATING LOADER**

Loader Specification Sheet

MODEL NUMBER: 795 MOUNTING HEIGHT: 43.0" (NOMINAL) TYPICAL RANGE: 40.0" TO 46.0"

CYLINDER SPEC	FICATIO	NS [IN	ICHES]
CYLINDER	BORE	ROD	STROKE
BUCKET	3.00	1.50	20.75
LIFTING	3.00	1.75	30.00
TSL BKT	3.00	1.75	22.00

A) MAXIMUM LIFT HEIGHT (FULL HEIGHT): 163" (13.6')
B) CLEARANCE WITH BUCKET DUMPED (FULL HEIGHT): 137" (11.4')
C) REACH AT FULL HEIGHT: 25"
D) MAXIMUM DUMP ANGLE (FULL HEIGHT): 32.0"
D) TSL MAX DUMP ANGLE (FULL HEIGHT): 32.0"
D) TSL DUMP ANGLE AT GROUND: 90"
F) BUCKET ROLLBACK ANGLE (GROUND): 19"
F1) TSL BUCKET ROLLBACK ANGLE (GROUND): 19"
F1) TSL BUCKET ROLLBACK ANGLE: 37"
C) DIGGING DEPTH: 4.0"
H) OVERALL HEIGHT IN CARRY POSITION: 84.0" (7")
R) ROLLBACK ANGLE AT FULL HEIGHT: 111.0"
R) TSL BUCKET ROLLBACK ANGLE AT FULL LIFT: 52"
CALCULATED BREAKOUT FORCE: 5705 LBS
CALCULATED LIFT CAPACITY: 3100 LBS.

NOTES:

- CALCULATED VALUES ASSUME 2500 PSI CYLINDER PRESSURE
 BREAKOUT FORCE ESTIMATED AS PER ASAE S301.2-4.1.2. (NET PAYLOAD APPLIED AT CUTTING EDGE)
 LIFT CAPACITY ESTIMATED AS PER ASAE S301.2-4.1.1. (PAYLOAD APPLIED AT BUCKET MIDPOINT)
- 4) ALL PINS ARE 1.25 DIAMETER



Torque Specifications Recommended Torque in Foot Pounds (ft-lbs) & Newton Meters (NM)*

	Standard							
					Bolt	Head		
	iameter hes)	Wrench Size (inches)	$ \langle$	\supset	6		$\left\{ \begin{array}{c} \left\{ \right\} \\ \left\{ \right$	
				ade 2 s) (NM		ide 5 5) (NM)		ide 8 5) (NM)
0.250	1/4	7/16	6	7	8	11	12	16
0.313	5/16	1/2	11	15	17	23	25	33
0.375	3/8	9/16	20	_ 27	31	42	44	60
0.438	7/16	5/8	32	43	49	66	70	95
0.500	1/2	3/4	49	66	76	103	106	144
0.563	9/16	7/8	70	95	109	148	153	207
0.625	5/8	15/16	97	131	150	203	212	287
0.750	3/4	1 1/8	144	195	266	360	376	509
0.875	7/8	1 5/16	166	225	430	583	606	821
1.000	1	1 1/2	250	339	644	873	909	1232
1.125	1 1/8	1 11/16	354	480	795	1077	1288	1745
1.250	1 1/4	1 7/8	500	678	1120	1518	1817	2462
1.375	1 3/8	2 1/16	655	887	1470	1992	2382	3228
1.500	1 1/2	2 1/4	870	1179	1950	2642	3161	4283

	Metric						
				Bołt	Head		
Bolt Dia. (mm)	Wrench Size (mm)		4.6		3.8	9	.8
		Class (ft-lbs)			is 8.8) (NM)	Class (ft-lbs)	
8	13	7.3	10			21.1	29
10	16	14.5	20			42	57
12	18	25	34	74	100	73	99
14	21	40	54	118	160	116	157
16	24	62	84	167	226	181	245
20	30	122	165	325	440		
22	33			443	600		
24	36	211	286	563	763		
27	41			821	1112		
30	46	418	566	1119	1516		

*Use 80% of the specified torque value for plated or lubricated fasteners.

Pre-delivery Check List

Before delivering this equipment please complete the following check list. \square 1. The loader has been installed using the appropriate mounting kit for the tractor and loader. \square 2. The hydraulic system installed is appropriate for the tractor and loader. \square 3. The loader is properly installed. \square 4. All bolts are tightened to the torque specifications shown in the torque chart. \square 5. All safety decals are readable. 6. The loader has been tested and operates properly. 7. The operator's manual has been delivered to the owner who has been instructed on the safe and proper use of the loader.

Dealer's Signature

١

This Check List is to remain in this Owner's Manual and is the responsibility of the Dealer to complete it before delivery to the customer.

Loader Identification Diagram (HSL Model shown)



For further details refer to Loader Mainframe and Subframe diagrams.

Hydraulic (Hose Kit) Identification Diagrams

HOSE KIT "A"

Loader powered by the tractor remotes.

Consists of 4 hoses leading from loader tubing to tractor remote couplers.



HOSE KIT "B"

Loader operated by an external OC or CC valve that is powered from the tractor remotes.

Consists of 4 hoses leading from loader tubing to external mounted valve and 2 hoses from valve to tractor couplers. Use the valve type shown with hose Kit "B".



HOSE KIT "C"

Loader operated by an external valve that is plumbed into the tractor hydraulic system.

Consists of 4 hoses leading from loader tubing to external mounted valve plus the necessary fittings, hoses and adapter blocks (if necessary) to tap into tractor hydraulic system. Use valve type shown with hose Kit "C".



BLOCKING RAISED LOADER

 Never work beneath raised loader unless it is securely supported. The following are instructions for the Lift Lock Supports;



- Do not pivot or turn tractor with bucket raised, except at a minimum speed. Always make allowance for length of loader when making turns.
- Never leave tractor unattended while the bucket is raised. Always lower bucket to the ground and shut off before leaving tractor seat.
- Do not walk under raised bucket.
- Never operate loader while operator is not seated in the driver's seat on the tractor.
- Keep tractor on solid ground. Loose fill, rocks and holes can be dangerous for loader operation or movement.
- Never operate a loader with frayed or damaged hoses or leaking fittings.
- For stability, rear wheels of tractor should be set a maximum convenient spacing and add ballast to rear wheels.



 Do not raise bucket to extreme heights while tractor is on an incline. Carry loader low for safety. Note in above illustration how load center moves out when bucket is raised on a slope. Be alert for terrain changes and adjust bucket accordingly. Keep bucket low, no more than one foot high, as long as possible.

Note: A pivoting front axle acts like a three-wheeled tractor until the stops hit the axle.



 If lift cylinders are used to raise front wheels of tractor for service, place blocks under tractor before working around front end.

THIS SAFETY ALERT SYMBOL MEANS:

ATTENTION!

BECOME ALERT!

YOUR SAFETY IS INVOLVED!





Safety Decals

These decals are located as shown on the Decal Location diagram and the Sub-Frame Assembly diagram.





Lubrication and Decal Location Diagram

Lubricate tractor hydraulic unit as indicated in tractor Operator's Manual. Keep the grease fittings on lift arm pivots and cylinder pivots well lubricated. Use high grade Lithium grease every 8 hours of operation.



(HSL Model shown)

General Instructions and Information

As with any piece of equipment, the care with which your loader is operated and maintained will greatly affect it's life and the safety of the people using it.

- 1. Keep all pivots well lubricated for longer bushing life. Inspect every 500 hours of operation for wear.
- 2. Periodically check all bolts for tightness. If any bolt is damaged, replace it with a bolt of equivalent grade or strength.
- 3. Follow the recommendations of the tractor manufacturer in regards to the quantity of oil used.
- 4. Check oil level frequently to ensure the system is full.
- 5. When making an oil check, be sure lift cylinders are retracted.
- 6. Before operating the loader, particularly if the loader is left standing for any length of time, check the hydraulic system and oil level.
- 7. When installing hydraulics, follow the circuit carefully. See hydraulic hook-up section and make sure the hoses do ndt contact any hot manifolds or sharp edges on tractor. After assembly, raise the loader slowly and check to make sure that the hoses do not bind in all positions.

CAUTION

The pressure of the relief and open centre valves is set at the factory. Do not tamper with the setting. Serious injury to the operator or damage to the loader or tractor hydraulics may occur. Warranty will be void if the loader is operated above recommended pressure.

- 8. When servicing any hydraulic components, care must be taken to prevent any foreign matter from entering the system.
- 9. Do not neglect oil leaks. Leaks affect loader operation, are dangerous and can result in personal injury or damage to the hydraulic system.
- 10. Never leave the cylinder shafts exposed when loader is not in use.
- 11. Worn or damaged components should be replaced as soon as possible with only the manufacturer's recommended component or equivalent.

Operation and Maintenance

GENERAL

Refer to tractor Operator's Manual for operating information on the tractor's hydraulic system.

Hydraulic systems using auxiliary valves should have them located for easy reach from the tractor seat. Hoses should be connected in such a manner that pushing forward on valve handles lowers the boom or dumps the bucket.

CAUTION: Always connect boom hoses to float section.

Weight added to rear of tractor provides better traction and an easier, more efficient loader operation. Extra weight, along with widening the rear wheels, reduces the risk of roll-over.



The smaller the tractor is, the easier it will roll. We recommend that weight be added to rear tires with liquid or by the installation of rear wheel weights. Where additional weight is required, a counterweight box can be fabricated for tractors with three-point hitches.

Extra weight can also be added by the use of a heavy implement mounted to the three-point hitch.

A roll-over protective structure is also recommended.



In cold weather, operate the tractor's engine at idle speed until the hydraulic fluid is warmed up. High engine speed when the hydraulic fluid is cold will cause the pump to wear prematurely.

Under normal conditions, operate the tractor's engine at 1/2 throttle. Shift the tractor into a low gear before entering a pile of material to minimize strain on loader arms.

Operating Suggestions For Loading

When handling heavy loads, be sure to lower lift arms slowly. This is known as feathering the hydraulic lever. If load is lowered too fast and stopped suddenly, excessive shock loads are created which can damage loader or tractor.

When loading bucket, drive straight into material. Attempting to turn tractor while loading bucket can cause damage to both the loader and tractor.

Come in level.

NOTE: Bottom surface of bucket is parallel to line on motion.



Work both levers back to direct pressure to both cylinders.

Combined action of lift and bucket cylinders increases loading efficiency.





A straight bottom offers more resistance to lift.



To increase loading efficiency, minimize angle of turn and length to run between pile and spreader.



Leave material which drifts over side of bucket for final clean-up.

Operating Suggestions For Backfilling



When backfilling, approach pile with a flat bucket. Leave dirt in bucket. Dumping on each pass wastes time.



Backgrade work surface with a loaded bucket. Release all pressure on lift cylinders so full weight of bucket is scraping ground. Use heel of bucket.

DO NOT use bucket in dump position for backgrade work. This could cause bucket cylinder shaft failure.



DO NOT use bucket in dumped position for bulldozing. This will only impose severe shock loading on the bucket cylinders and make it more difficult to maintain a level grade.



DO NOT USE LOADER AS BATTERING RAM!



SAFETY: FIRST, LAST, ALWAYS!

Attaching the Loader to Your Tractor

- 1. Position the tractor as centrally as possible and drive, using lowest gear possible, into the loader frame until hoses can be connected.
- 2. Couple up the hydraulic hose lines to the loader or tractor valve ensuring proper function (see Operator and Maintenance Section).

NOTE: When mounting the loader for the first time, slowly work the cylinders back and forth, so that most of the air is removed. Loosen the bolts on the hooks so that they can be moved. Also, check that the nuts in the rear of the subframes are in line with the holes.

3. On some tractors, the lift cylinders may have to be extended slightly, so that the subframes can clear the front axle. Do not extend the cylinders more than is required.



IMPORTANT! On HSL loaders, the bucket will dump at the same time the loader is lowered. Therefore, operate both hydraulic levers together.

4. Drive the tractor ahead until the subframe is past the front axle and the front hook is close to mounting boss.



WARNING! Check front grill clearance during installation to avoid tractor damage.



5. Retract or extend the lift cylinders to line up the front hook with the mounting boss.



IMPORTANT! On HSL loaders, the bucket will roll back at the same time the loader is lowered. Therefore, operate both hydraulic levers together.



Attaching the Loader to Your Tractor (Continued)

6. When the hook is lined up, dump or roll back the bucket to lower or raise the subframe upright to align with the mounting boot.

7. Continue to drive the tractor forward until the subframe uprights are seated in the boot.

8. Secure the subframe uprights with the bolts and washers. Torque to 500 ft-lbs.

)

IMPORTANT: When mounting for the first time, the front hook bolts will have to be tightened after positioning the hook directly over the mounting boss (most rearward position).



9. Raise the loader and lock the support stand tubes into the up position.

NOTE: When mounting for the first time, raise the loader slowly and check to make sure that the hoses do not bind or become pinched in all positions. Work the loader and bucket up and down to work out all the air in the hydraulics. Check and refill the tractor's hydraulic system.







Removing the Loader from Your Tractor



WARNING ! When removing the loader, it must be fitted with a bucket or other suitable attachment to give the frame stability after removal. If this is not done, the frame will not remain standing.



ĵ,

IMPORTANT ! Always remove the loader on firm, level ground (away from children's play areas and high traffic areas). This makes attaching and removing much faster and easier. It also makes the free standing loader more stable.

1. Raise the loader, lower support stand tubes and lock into position.



3. Loosen the bolts from the rear of the subframe boots and swing bolt up into lock position.





Removing the Loader from Your Tractor (Continued)

4. Roll back the bucket slightly and simultaneously extend or retract the lift cylinders to free hooks from spools. Then slowly back up the tractor.



5. Once the subframe is clear of the boot and the hook is clear of the mounting boss, roll back the bucket all the way. This raises the rear uprights of the loader.



NOTE: On some mountings, the lift cylinders must be extended more while the tractor is backing up, so that the subframes clear the front axle.







CAUTION! Be sure the hoses DO NOT get pinched or catch on any frame members while backing up.

7. After the loader is clear, retract the lift cylinders to protect the shafts and disconnect the hydraulic lines at quick couplers.

Trouble Shooting

PROBLEM	POSSIBLE CAUSE	REMEDY
Loader slow and/or will not dump.	Quick couplers leaking.	Check connections and compatibility or replace.
	Hydraulic oil too heavy.	Change or replace filter.
	Oil filter plugged.	Clean or replace filter.
	Hydraulic pump worn.	Repair or replace pump.
	Oil line restricted or leaking.	Check all hoses and tubes for leaks,
		damage or restrictions. Replace damaged or restricted hoses or tube lines.
	Control valve does not shift properly.	Inspect, clean, repair or replace valve.
	Air in hydraulic system.	Cycle lift cylinders and bucket cylinders
	Outlinden la cha tata ya U	several times to free system of air.
	Cylinder leaks internally. Faulty valve.	Replace seals. Repair or replace valve.
Loader chatters or vibrates when		· · · · · · · · · · · · · · · · · · ·
raising and lowering.	Air leak in pump inlet line. Air in hydraulic system.	Check, tighten or replace inlet line.
raioing and iowening.	Oil level too low.	Cycle lift cylinders and bucket cylinders.
Excessive movement at pivots	Worn bushings and/or pins.	Add oil as required.
		Replace bushings and/or pins.
Pump noisy	Inlet line restricted or leaking.	Check for air leaks, restrictions or collapsed
		hose. Tighten or replace hose. Clean
	•	filter if necessary.
	Oil level too low.	Add oil as required.
	Pump worn or damaged.	Repair or replace pump.
Oil leaks.	Damaged fittings or hoses.	Replace damaged parts.
	Loose connections.	Tighten fittings.
	Worn or damaged O-ring wiper	Install a seal repair kit.
	seal in cylinder rod end.	
	Worn or damaged O-rings in valve.	Install an O-ring repair kit.
Insufficient lift capacity	Improper hydraulic pump operation.	Repair or replace pump.
	Load is greater than boom lift capacity	. Check loader specifications.
	Internal boom cylinder leakage.	Replace any worn parts and install
		a seal repair kit.
	Improper hydraulic valve operation.	Repair or replace valve.
Slow leakdown.	Worn control valve.	Have authorized dealer replace seals.
	Worn cylinder piston seals.	Have authorized dealer replace seals.
Excessive wear on bottom oil bucket and wear pads.	Float position not used while operating loader.	Use float position provided on valve.
Hydraulic cylinders inoperative.	Hose from control valve improperly connected.	Refer to plumbing diagrams.
Pump operating continually on closed	Tractor control valve relief stuck	See your tractor manual for proper
center tractor hydraulic system.	open.	adjustment or Loader dealer for loader
		valve. (3000 PSI is maximum pressure
		relief setting recommended.)
	Hydraulic control valve set too low.	Adjust valve in accordance with manual.
oader lift and bucket tilt controls do	Hoses improperly connected.	Refer to plumbing diagrams
ot work according to decal.		and correct hose connections.
/alve noisy and/or hot	Open center control valve on closed	Replace relief valve with closed center plug
	center tractor.	and plug the power beyond adapter on valve.
ractor loads/pump squeals	Closed center control valve on open center tractor.	Install open center plug on optional valve. Replace closed center plug with relief and install short plug in place of power beyond adapter.

General Notes and Instructions to the Operator Regarding ALLIED HSL Loader Operations

- 1. The hydraulic self-leveling system (HSL) utilizes two metering cylinders which displace oil into or out of the bucket cylinders as the loader is raised or lowered. The cylinder volumes and geometries are carefully matched for each loader model to provide the correct amount of oil to keep the bucket level after it is initially leveled.
- 2. The HSL system incorporates two relief valves which are only utilized if the bucket cylinders are at either end of the stroke. If the loader is raised with the bucket fully dumped, oil will be bypassed at high pressure into the lower side of the lift cylinder circuit. If the loader is lowered with the bucket fully rolled back, oil will be bypassed at high pressure into the raised side of the lift cylinder circuit. Note that these two conditions are likely to occur only intermittently, and although the pump will be forced to supply oil at a higher pressure no damage to the loader components will occur. It is, however, recommended to avoid the above situations and keep the bucket somewhat level while raising or lowering the loader for smoother operation.
- 3. Note that the large volume (piston side) of the leveling cylinders is connected to the large volume of the bucket cylinders, and the small volume (rod side) is connected between the two sets of cylinders. The effect of this configuration is to create a breakout force "boost" if the bucket cylinders are pressurized towards the rollback position during breakout.
- 4. The opposite effect of the above situation is that the loader will have poor lift capacity if lifting with the bucket cylinders pressurized in the dumped position. This is, however, a very unlikely occurrence (lifting a load with bucket fully dumped).
- 5. The cartridge style relief valves are factory set at 2,000 psi cracking pressure and are capable of bypassing 15-20 GPM. If loader lock-up should occur due to a low tractor relief setting, higher inlet flows or return line restrictions, the relief valve setting may be backed off slightly until the lock-up condition is overcome (as described in note 2 above).



6. CAUTION: Never utilize the leveling cylinders to raise the loader. This could occur if the lift cylinders are placed in float while the bucket cylinders are held pressurized in the retracted position. If the loader should rise, pressurize the lift cylinders to lower it; otherwise a rapid drop may occur when the bucket cylinders are extended. Note that this situation is unlikely to occur during normal loader operation and is possible only with a lightly loaded bucket.

General Notes and Instructions to the Operator Regarding ALLIED *TSL* Loader Operations

- 1. The *true self levelling system* (TSL) utilizes mechanical linkages to maintain bucket level while raising and lowering. The pivot plate weldment, levelling tubes and linkages have been developed to ensure that the bucket remains at the same position throughout its range of motion. This feature is standard with 2.50" and 3.00" diameter bucket cylinders.
- 2. The TSL system incorporates a relief and anticavitation manifold to provide extra dump at ground and rollback at full lift height. This feature is available on 3.00" bucket cylinders only. If the loader is raised with the bucket fully dumped, oil from the bucket piston side will be bypassed at high pressure to the bucket shaft side and the lift shaft side as the quick attach contacts the dump stop. If the loader is lowered with the bucket fully rolled back, oil from the bucket shaft side will be bypassed at high pressure to the bucket piston side and makeup will be provided by the lift piston side as the quick attach contact the rollback stop. Note that these two conditions are likely to occur intermittently and although the pump will be forced to supply oil at a higher pressure, no damage to the loader components will occur. It is, however, recommended to avoid the above situations and keep the bucket somewhat level while raising or lowering the loader for smoother operation.
- 3. The extra bucket stroke length allows for the bucket to be dumped to approximately 90 degrees at ground. This allows for bucket assist when traction is minimal. If the loader is raised from this position, the bucket will retract as the quick attach contacts the dump stop and the circuit goes through relief as described in note 2.
- 4. Extra bucket retraction allows for the bucket to be rolled back as the loader raises. The TSL feature maintains the bucket level, but as required the bucket can be manually rolled back approximately 20 degrees to allow for increased bucket capacity. If the loader is lowered from this position, the bucket will extend as the quick attach contacts the rollback stop and the circuit goes through relief as described in note 2.
- 5. The relief valve is factory set at 3250 PSI cracking pressure and is capable of bypassing 10-15 GPM. If loader lock-up should occur due to a low tractor relief setting, higher inlet flows or return line restrictions, the relief valve may be backed off slightly until the lock-up condition is overcome (counterclockwise turn of set-screw). Contact the factory for further instructions.

Notes

.*

)



795, 795 HSL, S795, S795HSL, 795 TSL, S795 TSL

Sub Frame Parts Table

			Regular	HSL/TSL		S795HSL/TSL
item	Part No.	Description	Quantity		S Quantity	Quantity
1	31411	795 Sub Frame Weldment Left	1	-	-	•
2	31412	795 Sub Frame Weldment Right	1	-	-	-
1	31408	795 HSL Sub Frame Weldment Left	-	1	-	-
2	31409	795 HSL Sub Frame Weldment Right	-	1	-	-
1	31423	795 S Sub Frame Weldment Left	-	-	1	-
2	31424	795 S Sub Frame Weldment Right	-	-	1	-
1	31425	S795HSL Sub Frame Weldment Left	-	-	-	1
2	31426	S795HSL Sub Frame Weldment Right	-	-	-	1
3	112751	Hook Weldment	2	2	2	2
4	112747	Plate Clamp	2	2	2	2
5	112746	Spacer Block	4	4	4	4
6	112748	Shim	2	2	2	2
7	111423	Cross Member Weldment	1	1	1	1
8	111426	Tube Cross Member	1	1	1	1
9	112642	Shaft Pivot 1.75 DIA X 5.50 Long	2	_2	2	2
10	113281	Bolt Retainer Weldment	2	2	2	2
11	110887	Loader Lift Lock Weldment	2	2	2	2
12	812717	Grommet 0.375 ID X 1.00 OD X .13	2	2	2	2
13	812026	Bolt Hex 0.313nc X 1.00 gr5 pl	2	2	2	2
14	812944	Bolt Car. 0.625nc X 3.00 gr5 pl	8	8	8	8
15	84127	Bolt Car. 0.625nc X 3.50 gr5 pl	2	2	2	2
16	812939	Bolt Hex 0.875nc X 10.00 gr8 pl	2	2	2	2
17	81967	Nut Lock (nylon) 0.625nc grB pl	14	14	14	14
18	81723	Washer Lock 0.875 pl	2	2	2	2
19	112730	Washer Boot	2	2	2	2
20	112812	*Decal General Caution	2	2	2	2
21	112805	*Decal - 795 X 1.40	2	2	2	2
22	112983	*Decal - Warning Overhead Hazard	2	2	2	2
23	112982	*Decal - Lift Lock Instruction	2	2	2	2
24	812882	Bolt Car. 0.625nc X 2.50 gr5 pl	4	4	4	4
25) 113474	*Decal - Cross Member Caution	2	2	2	2
26	24329	Mounting Wrench (for 0.875 bolt)	-	1 (TSL)	-	1 (TSL)
27	112615	*Decal - S X 1.40	-	-	1	-

*Part of decal replacement kit X1256

795, S795, 795 HSL, S795 HSL

Main Frame Assembly (HSL Model Shown)



795, S795, 795 HSL, S795 HSL

Main Frame Parts Table

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Item	Part No.	Description	795	795HSL	S795	S795 HSL
1 31597 S795 Main Frame Weldment - - 1 1 31600 S795 HSL Main Frame Weldment - - 1 2 24296 Quick Attach Weldment Left 1 1 1 1 3 24297 Quick Attach Weldment Left 1 1 1 1 1 4 112798 Tube Cross Qtach 1 1 1 1 1 5 108827 Pin Weldment 2 2 2 2 2 6 111131 Stand Weldment 2 2 2 2 2 7 111232 Strap Stand 2 2 2 2 2 10 12779 Hair Pin Clip #9 Western Wire 5 5 5 5 11 114441 Levelling Rod 1 1 1 1 1 12 112954 Pin 1.25 Dia x 5.00 Long 4 6 6 6 13 112800 Pin Qtach 4 4 4 4 13	1	31596	795 Main Frame Weldment	1	-	-	_
1 31600 S795 HSL Main Frame Weldment - - 1 2 24296 Quick Attach Weldment Left 1 1 1 1 3 24297 Quick Attach Weldment Right 1 1 1 1 1 4 112798 Tube Cross Qtach 1 1 1 1 1 1 5 108827 Pin Weldment 2	1	31595	795 HSL Main Frame Weldment	-	1	-	-
2 24296 Quick Attach Weldment Left 1 1 1 1 3 24297 Quick Attach Weldment Right 1 1 1 1 1 4 112798 Tube Cross Qtach 1 1 1 1 1 5 108827 Pin Weldment 2 2 2 2 2 6 111231 Stand Weldment 2 2 2 2 2 7 111232 Strap Stand 2 2 2 2 2 8 24329 Wrench Mounting 1 1 1 1 1 1 9 110907 Pin 0.625 Dia. Stand 2 2 2 2 2 10 12779 Hair Pin Clip #9 Western Wire 5 5 5 5 11 114441 Levelling Rod 1 1 1 1 1 12 112954 Pin 1.25 Dia. x 5.00 Long 4 6 6 6 14 112806 Bushing 1.25 ID x 1.50 OD x 1.375 Long <td< td=""><td>1</td><td>31597</td><td>S795 Main Frame Weldment</td><td>-</td><td>-</td><td>1</td><td></td></td<>	1	31597	S795 Main Frame Weldment	-	-	1	
3 24297 Quick Attach Weldment Right 1 1 1 1 4 112798 Tube Cross Qtach 1 1 1 1 5 108827 Pin Weldment 2 2 2 2 6 111231 Stand Weldment 2 2 2 2 7 111232 Strap Stand 2 2 2 2 8 24329 Wrench Mounting 1 1 1 1 9 110907 Pin 0.625 Dia. Stand 2 2 2 2 10 12779 Hair Pin Clip #9 Western Wire 5 5 5 5 11 111441 Levelling Rod 1 1 1 1 12 112954 Pin 1.25 Dia. x 5.00 Long 4 6 6 6 14 112800 Pin Qtach 4 4 4 4 13 112955 Pin 1.25 Dia. x 5.00 Long 8 8 8 8 16 24242 Tube Cover 1 1	1	31600	S795 HSL Main Frame Weldment	-	-	-	1
4 112798 Tube Cross Qtach 1 1 1 1 1 5 108827 Pin Weldment 2 2 2 2 6 111231 Stand Weldment 2 2 2 2 7 111232 Strap Stand 2 2 2 2 8 24329 Wrench Mounting 1 1 1 1 9 110907 Pin 0.625 Dia. Stand 2 2 2 2 10 12779 Hair Pin Clip #9 Western Wire 5 5 5 5 11 111441 Levelling Rod 1 1 1 1 12 112954 Pin 1.25 Dia. x 6.75 Long 4 6 6 6 13 112955 Pin 1.25 Dia. x 5.00 Long 4 6 6 6 14 112800 Pin Qtach 4 4 4 4 15 113766 Bushing 1.25 ID x 1.50 OD x 1.375 Long 8 8 8 8 16 24242 Tube Cover <t< td=""><td>2</td><td>24296</td><td>Quick Attach Weldment Left</td><td>1</td><td>1</td><td>1</td><td>1</td></t<>	2	24296	Quick Attach Weldment Left	1	1	1	1
5 108827 Pin Weldment 2 2 2 2 6 111231 Stand Weldment 2 2 2 2 2 7 111232 Strap Stand 2 2 2 2 2 8 24329 Wrench Mounting 1 1 1 1 1 9 110907 Pin 0.625 Dia. Stand 2 2 2 2 2 10 12779 Hair Pin Clip #9 Western Wire 5 5 5 5 11 111441 Levelling Rod 1 1 1 1 1 12 112954 Pin 1.25 Dia. x 6.75 Long 4 6 6 6 13 112955 Pin 1.25 Dia. x 5.00 Long 4 4 4 4 15 113766 Bushing 1.25 ID x 1.50 OD x 1.375 Long 8 8 8 8 16 24424 Tube Cover 1 1 1 1 1 17 24309 3.0 Dia. x 20.75 Bucket Cylinder 2 2 2 <t< td=""><td>3</td><td>24297</td><td>Quick Attach Weldment Right</td><td>1</td><td>1</td><td>1</td><td>1</td></t<>	3	24297	Quick Attach Weldment Right	1	1	1	1
5 108827 Pin Weldment 2 2 2 2 6 111231 Stand Weldment 2 2 2 2 2 7 111232 Strap Stand 2 2 2 2 2 8 24329 Wrench Mounting 1 1 1 1 1 9 110907 Pin 0.625 Dia. Stand 2 2 2 2 2 10 12779 Hair Pin Clip #9 Western Wire 5 5 5 5 11 111441 Levelling Rod 1 1 1 1 1 12 112954 Pin 1.25 Dia. x 6.75 Long 4 6 6 6 13 112955 Pin Qtach 4 4 4 4 15 113766 Bushing 1.25 ID x 1.50 OD x 1.375 Long 8 8 8 8 16 24242 Tube Cover 1 1 1 1 1 17 24309 3.0 Dia. x 20.75 Bucket Cylinder 2 2 2 2 <	4	112798	Tube Cross Qtach	1	1	1	1
6 111231 Stand Weldment 2 2 2 2 7 111232 Strap Stand 2 2 2 2 8 24329 Wrench Mounting 1 1 1 1 9 110907 Pin 0.625 Dia. Stand 2 2 2 2 10 12779 Hair Pin Clip #9 Western Wire 5 5 5 5 11 111441 Levelling Rod 1 1 1 1 1 12 112954 Pin 1.25 Dia. x 6.75 Long 4 6 6 6 13 112800 Pin Qtach 4 4 4 4 15 113766 Bushing 1.25 ID x 1.50 OD x 1.375 Long 8 8 8 8 16 24242 Tube Cover 1 1 1 1 1 17 24309 3.0 Dia. x 20.75 Bucket Cylinder 2 2 2 2 18 24314 3.0 Dia. x 30.00 Lift Cylinder - 2 - 2 20 81581	5	108827	Pin Weldment	2	2	2	
7 111232 Strap Stand 2 2 2 2 8 24329 Wrench Mounting 1 1 1 1 1 9 110907 Pin 0.625 Dia. Stand 2 2 2 2 10 12779 Hair Pin Clip #9 Western Wire 5 5 5 5 11 111441 Levelling Rod 1 1 1 1 1 12 112954 Pin 1.25 Dia. x 6.75 Long 4 6 6 6 13 112955 Pin 1.25 Dia. x 5.00 Long 4 4 4 4 11 112600 Pin Qtach 4 4 4 4 13 112600 Pin Qtach 4 4 4 4 15 113766 Bushing 1.25 ID x 1.50 OD x 1.375 Long 8 8 8 8 16 24242 Tube Cover 1 1 1 1 17 24309 3.0 Dia. x 20.75	6	111231	Stand Weldment	2	2		
8 24329 Wrench Mounting 1	7	111232	Strap Stand				
9 110907 Pin 0.625 Dia. Stand 2 2 2 2 10 12779 Hair Pin Clip #9 Western Wire 5 5 5 11 111441 Levelling Rod 1 1 1 1 12 112954 Pin 1.25 Dia. x 6.75 Long 4 6 6 6 13 112955 Pin 1.25 Dia. x 5.00 Long 4 6 6 6 14 112800 Pin Qtach 4 4 4 4 15 113766 Bushing 1.25 ID x 1.50 OD x 1.375 Long 8 8 8 8 16 24242 Tube Cover 1 1 1 1 1 17 24309 3.0 Dia. x 20.75 Bucket Cylinder 2 2 2 2 2 18 24314 3.0 Dia. x 30.00 Lift Cylinder 2 <td>8</td> <td>24329</td> <td>Wrench Mounting</td> <td>1</td> <td>1</td> <td></td> <td></td>	8	24329	Wrench Mounting	1	1		
10 12779 Hair Pin Clip #9 Western Wire 5 5 5 11 111441 Levelling Rod 1 1 1 1 1 12 112954 Pin 1.25 Dia. x 6.75 Long 4 6 6 6 13 112955 Pin 1.25 Dia. x 5.00 Long 4 4 4 4 15 113766 Bushing 1.25 ID x 1.50 OD x 1.375 Long 8 8 8 8 16 24242 Tube Cover 1 1 1 1 17 24309 3.0 Dia. x 20.75 Bucket Cylinder 2 2 2 2 18 24314 3.0 Dia. x 30.00 Lift Cylinder 2 2 2 2 19 24319 3.5 Dia. x 12.00 Leveling Cylinder - 2 - 2 20 81581 Bolt Hex 0.625nc x 3.50 gr5 pl 16 20 16 20 21 81669 Bolt Hex 0.625nc gr8 pl 20 24 20 24 23 <td>9</td> <td>110907</td> <td>Pin 0.625 Dia. Stand</td> <td>2</td> <td>2</td> <td>2</td> <td></td>	9	110907	Pin 0.625 Dia. Stand	2	2	2	
11 1111441 Levelling Rod 1	10	12779	Hair Pin Clip #9 Western Wire	5			
12 112954 Pin 1.25 Dia. x 6.75 Long 4 6 6 6 13 112955 Pin 1.25 Dia. x 5.00 Long 4 6 6 6 14 112800 Pin Qtach 4 4 4 4 15 113766 Bushing 1.25 ID x 1.50 OD x 1.375 Long 8 8 8 8 16 24242 Tube Cover 1 1 1 1 1 17 24309 3.0 Dia. x 20.75 Bucket Cylinder 2 2 2 2 18 24314 3.0 Dia. x 30.00 Lift Cylinder 2 2 2 2 19 24319 3.5 Dia. x 12.00 Leveling Cylinder - 2 - 2 20 81581 Bolt Hex 0.375nc x 2.50 gr5 pl 16 20 16 20 21 81669 Bolt Hex 0.625nc x 3.50 gr5 pl 4 4 4 4 23 81344 Nut Lock (nylon) 0.375nc grB pl 20 24 20 24 24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6	11	111441	Levelling Rod	1	1	1	
13 112955 Pin 1.25 Dia. x 5.00 Long 4 6 6 6 14 112800 Pin Qtach 4 4 4 4 15 113766 Bushing 1.25 ID x 1.50 OD x 1.375 Long 8 8 8 8 16 24242 Tube Cover 1 1 1 1 1 17 24309 3.0 Dia. x 20.75 Bucket Cylinder 2 2 2 2 18 24314 3.0 Dia. x 30.00 Lift Cylinder 2 2 2 2 19 24319 3.5 Dia. x 12.00 Leveling Cylinder - 2 - 2 20 81581 Bolt Hex 0.375nc x 2.50 gr5 pl 16 20 16 20 21 81669 Bolt Hex 0.625nc x 3.50 gr5 pl 4 4 4 4 22 81344 Nut Lock (nylon) 0.375nc grB pl 20 24 20 24 23 81344 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4	12	112954	Pin 1.25 Dia. x 6.75 Long	4	6	6	
15 113766 Bushing 1.25 ID x 1.50 OD x 1.375 Long 8 8 8 8 16 24242 Tube Cover 1 1 1 1 17 24309 3.0 Dia. x 20.75 Bucket Cylinder 2 2 2 2 18 24314 3.0 Dia. x 30.00 Lift Cylinder 2 2 2 2 19 24319 3.5 Dia. x 12.00 Leveling Cylinder - 2 - 2 20 81581 Bolt Hex 0.375nc x 2.50 gr5 pl 16 20 16 20 21 81669 Bolt Hex 0.625nc x 3.50 gr5 pl 4 4 4 4 22 81344 Nut Lock (nylon) 0.375nc gr2 pl 4 4 4 23 81344 Nut Lock (nylon) 0.625nc grB pl 20 24 20 24 24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 2 <td< td=""><td>13</td><td>112955</td><td>Pin 1.25 Dia. x 5.00 Long</td><td>4</td><td>6</td><td></td><td></td></td<>	13	112955	Pin 1.25 Dia. x 5.00 Long	4	6		
16 24242 Tube Cover 1 1 1 1 17 24309 3.0 Dia. x 20.75 Bucket Cylinder 2 2 2 2 18 24314 3.0 Dia. x 30.00 Lift Cylinder 2 2 2 2 19 24319 3.5 Dia. x 12.00 Leveling Cylinder - 2 - 2 20 81581 Bolt Hex 0.375nc x 2.50 gr5 pl 16 20 16 20 21 81669 Bolt Hex 0.625nc x 3.50 gr5 pl 4 4 4 4 22 81592 Nut Hex 0.375nc gr2 pl 4 4 4 4 23 81344 Nut Lock (nylon) 0.375nc grB pl 20 24 20 24 24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75 2 2 2	14	112800	Pin Qtach	4	4	4	4
16 24242 Tube Cover 1 1 1 1 1 17 24309 3.0 Dia. x 20.75 Bucket Cylinder 2 2 2 2 2 18 24314 3.0 Dia. x 30.00 Lift Cylinder 2 2 2 2 2 19 24319 3.5 Dia. x 12.00 Leveling Cylinder - 2 - 2 20 81581 Bolt Hex 0.375nc x 2.50 gr5 pl 16 20 16 20 21 81669 Bolt Hex 0.625nc x 3.50 gr5 pl 4 4 4 4 22 81592 Nut Hex 0.375nc gr2 pl 4 4 4 4 23 81344 Nut Lock (nylon) 0.375nc grB pl 20 24 20 24 24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75	15	113766	Bushing 1.25 ID x 1.50 OD x 1.375 Long	8	8	8	8
18 24314 3.0 Dia. x 30.00 Lift Cylinder 2 2 2 2 19 24319 3.5 Dia. x 12.00 Leveling Cylinder - 2 - 2 20 81581 Bolt Hex 0.375nc x 2.50 gr5 pl 16 20 16 20 21 81669 Bolt Hex 0.625nc x 3.50 gr5 pl 4 4 4 4 22 81592 Nut Hex 0.375nc gr2 pl 4 4 4 4 23 81344 Nut Lock (nylon) 0.375nc grB pl 20 24 20 24 24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75 2 2 2 2 28 52281-000 *Bright Orange Scotchcal #72368 12ft 12ft 12ft 12ft	16	24242		1	1	1	1
19 24319 3.5 Dia. x 12.00 Leveling Cylinder - 2 - 2 20 81581 Bolt Hex 0.375nc x 2.50 gr5 pl 16 20 16 20 21 81669 Bolt Hex 0.625nc x 3.50 gr5 pl 4 4 4 4 22 81592 Nut Hex 0.375nc gr2 pl 4 4 4 4 23 81344 Nut Lock (nylon) 0.375nc grB pl 20 24 20 24 24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75 2 2 2 2 28 52281-000 *Bright Orange Scotchcal #72368 12ft 12ft 12ft 12ft	17	24309	3.0 Dia. x 20.75 Bucket Cylinder	2	2	2	2
19 24319 3.5 Dia. x 12.00 Leveling Cylinder - 2 - 2 20 81581 Bolt Hex 0.375nc x 2.50 gr5 pl 16 20 16 20 21 81669 Bolt Hex 0.625nc x 3.50 gr5 pl 4 4 4 4 22 81592 Nut Hex 0.375nc gr2 pl 4 4 4 4 23 81344 Nut Lock (nylon) 0.375nc grB pl 20 24 20 24 24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75 2 2 2 2 28 52281-000 *Bright Orange Scotchcal #72368 12ft 12ft 12ft 12ft	18	24314	3.0 Dia. x 30.00 Lift Cylinder	2	2	2	2
21 81669 Bolt Hex 0.625nc x 3.50 gr5 pl 4 4 4 4 22 81592 Nut Hex 0.375nc gr2 pl 4 4 4 4 23 81344 Nut Lock (nylon) 0.375nc grB pl 20 24 20 24 24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75 2 2 2 2 28 52281-000 *Bright Orange Scotchcal #72368 12ft 12ft 12ft 12ft	19	24319	3.5 Dia. x 12.00 Leveling Cylinder	-	2	-	
22 81592 Nut Hex 0.375nc gr2 pl 4 4 4 4 23 81344 Nut Lock (nylon) 0.375nc grB pl 20 24 20 24 24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75 2 2 2 2 28 52281-000 *Bright Orange Scotchcal #72368 12ft 12ft 12ft 12ft	20	81581	Bolt Hex 0.375nc x 2.50 gr5 pl	16	20	16	20
23 81344 Nut Lock (nylon) 0.375nc grB pl 20 24 20 24 24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75 2 2 2 2 28 52281-000 *Bright Orange Scotchcal #72368 12ft 12ft 12ft 12ft	21	81669	Bolt Hex 0.625nc x 3.50 gr5 pl	4	4	4	4
24 81967 Nut Lock (nylon) 0.625nc grB pl 6 6 6 6 25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75 2 2 2 2 28 52281-000 *Bright Orange Scotchcal #72368 12ft 12ft 12ft 12ft	22	81592	Nut Hex 0.375nc gr2 pl	4	4	4	4
25 81570 Washer Flat Std. 0.375 hs pl 4 4 4 4 26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75 2 2 2 2 28 52281-000 *Bright Orange Scotchcal #72368 12ft 12ft 12ft 12ft	23	81344	Nut Lock (nylon) 0.375nc grB pl	20	24	20	24
26 23842 *Decal - Hyd. Self Level x 0.75 - 2 - 2 27 813356 *Decal - Buhler Allied x 1.75 2 2 2 2 28 52281-000 *Bright Orange Scotchcal #72368 12ft 12ft 12ft 12ft	24	81967	Nut Lock (nylon) 0.625nc grB pl	6	6	6	6
27 813356 *Decal - Buhler Allied x 1.75 2 <th2< th=""> <th2< th=""> 2</th2<></th2<>	25	81570	Washer Flat Std. 0.375 hs pl	4	4	4	4
28 52281-000 *Bright Orange Scotchcal #72368 12ft 12ft 12ft 12ft	26	23842	*Decal - Hyd. Self Level x 0.75	-	2	-	2
	27	813356	*Decal - Buhler Allied x 1.75	2	2	2	2
29' 113488 *Decal - Quick Attach Instruction 2 2 2 2 2	28	52281-000	*Bright Orange Scotchcal #72368	12ft	12ft	12ft	12ft
	29'	113488	*Decal - Quick Attach Instruction	2	2	2	2

*Part of decal replacement kit X 1256



795 TSL, S795 TSL

Main Frame Parts Table

Item	Part No.	Description	795 TSL Quantity	S795 TSL Quantity
1	24731	795 TSL Mainframe	1	_
1	24739	S795 TSL Mainframe	-	1
2	24717	Quick Attach Left	1	1
3	24716	Quick Attach Right	1 .	1
4	112798	Cross Tube	1	1
5	108827	Pin Weldment	2	2
6	114296	Stand Tube	2	2
7	114303	Stand foot	2	2
8	113690	Link Spacer	2	2
9	110907	Stand Pin 0.625 diameter	2	2
10	12779	Hair Pin Clip	4	4
11	114170	Levelling Rod	1	1
12	112954	Pin 1.25 X 6.75 LG	2	2
13	112955	Pin 1.25 DIA X 5.00 LG	2	2
14	112800	Pin 1.25 DIA X 6.13 LG	2	2
15	114194	Levelling Tube	2	2
16	24242	Cross Tube Cover	1	1
17	24708	Cylinder Bucket	2	2
18	24314	Cylinder Lift	2	2
19	114252	Pin 1.25 dia. X 6.75 lg	4	4
20	81581	Hex Bolt 0.375 DIA X 2.5 LG	32	32
21	81669	Hex Bolt 0.625 DIA X 3.5	4	4
22	81592	Hex Nut 0.375 DIA	4	4
23	81344	Locknut 0.375 DIA	41	41
24	81967	Locknut 0.625 DIA	4	4
25	113691	Bushing 1.25 I.D. X 1.63 O.D x 0.75" Ig	8	8
26	81570	Flat Washer 0.375 DIA	4	4
27	113570	Bushing 1.25 I.D. X 1.63 O.D. x 1.88" lg	4	4
28	113766	Bushing 1.25 I.D. x 1.50 O.D. x 1.38" lg	20	20
29	114104	Pin 1.25 DIA X 7.48	4	4
30	113697	Pin 1.25 DIA X 8.63 LG	4	4
31	113154	Pin 1.25 DIA X 7.63 LG	2	2
32	114119	Link Weldment Left	2	2
33	114120	Link Weldment Right	2	2
34	81966	Locknut 0.50 DIA	2	2
35	84583	Grease Fitting 1/8 NPT Straight	2	2
36	FNH114039	Bolt Plate	1	-
37	FNH114040	Rod Guide	1	1
38	114097	Link Assembly 11.25	4	4
39	114101	Pivot Plate Left	1	1
	113998	Pivot Plate Right	1	1
40 41	113995	Pin 1.25 DIA X 7.13 LG	2	2
41	813228	1/2" Wing nut (pl)	2	2
43	81637	1/2" Lock washer (PI)	2	2
43 44	813356	Decal - Buhler Allied X 1.75	2	2
		Decal - Burlier Alled X 1.75 Decal - TSL X 1.75	2	2
45	114132			2
46	813358	Decal - True Self Leveling	2	
47	113488	Decal - Quick Attach Instruction	2	2
48	52281-000	Bright Orange Scotchcal #72368	10ft	10ft

795, S795 Hydraulic Plumbing Diagram



795, S795 Plumbing Parts Table

ltem	Part No.	Description	Qty.
1	24309	3.0 Dia. x 20.75 Cyl. Assy. Bucket	2
2	24314	3.0 Dia. x 30.00 Cyl. Assy. Lift	2
3	811572	3/8 x 15" Hose 3/4 MORB x 3/4 SWFJIC	2
4	811471	3/8 x 20" Hose 3/4 MORB x 3/4 SWFJIC	2
5	811466	3/8 x 24" Hose 3/4 MORB x 3/4 SWFJIC	2
6	812947	3/8 x 22" Hose 3/4 SWFJIC x 3/4 SWFJIC	2
7	112833	Tubing - Lift Cyl. Bottom Raise	1
8	112834	Tubing - Lift Cyl. Top Drop	1
9	112937	Tubing - Lift Cyl. Common (31.0")	2
10	112835	Tubing - Bucket Cyl. Bottom Rollbk	1
11	112836	Tubing - Bucket Cyl. Top Dump	1
12	112837	Tubing - Bucket Cyl. Cross Tube	2
13	812128	Elbow 90 3/4 MJIC x 3/4 MJIC	4
14	811414	Elbow 90 3/4 MORB x 3/4 MJIC	2
15	812069	Tee 3/4 MJIC	4
16	11362	Clip Pipe Std.	9
17	81592	Nut Hex 0.375nc gr2 pl	4
18	81344	Nut Lock (Nylon) 0.375nc grB pl	5

1

•



795 HSL, S795 HSL Hydraulic Plumbing Diagram

item	Part No.	Description	Qty.
1	24319	3.5 Dia. x 12.00 Cyl. Assy. Level	2
2	24309	3.0 Dia. X 20.75 Cyl. Assy Bucket	2
3	24314	3.0 Dia. X 30.00 cyl. Assy Lift	2
4	811754	3/8 x 18 Hose 3/4 MORB x 3/4 SWFJIC	1
5	811572	3/8 x 15 Hose 3/4 MORB x 3/4 SWFJIC	2
6	811471	3/8 x 20 Hose 3/4 MORB x 3/4 SWFJIC	2
7	811466	3/8 x 24 Hose 3/4 MORB x 3/4 SWFJIC	4
8	812947	3/8 x 22 Hose 3/4 SWFJIC x 3/4 SWFJIC	4
9	811434	3/8 x 30 Hose 3/4 MORB x 3/4 SWFJIC	1
10	112837	Tubing - Bucket Cyl. Cross Tube	2
11	112937	Tubing - Lift Cyl. Top Drop Common	2
12	112833	Tubing - Lift Cyl. Bottom Raise	1
13	112834	Tubing - Lift Cyl. Top Drop	1
14	112835	Tubing - Bucket Cyl. Bottom Rollback	1
15	112836	Tubing - Bucket Cyl. Top Dump	1
16	112831	Tubing - Bucket Cyl. Bottom Ext HSL	1
17	112832	Tubing - Bucket Cyl. Top Ext HSL	1
18	23875	Valve Relief Assy	2
19	811414	Elbow 90 3/4 MORB x 3/4 MJIC	4
20	812069	Tee 3/4 MJIC	8
21	812786	Tee 3/4 MJIC x 3/4 SWFJIC	2
22	812828	Tee 3/4 MORB 3/4 MJIC x 3/4 MJIC	2
23	11362	Clip Pipe Std.	11
24	81592	Nut Hex 0.375nc gr2 pl	4
25	81344	Nut Lock (Nylon) 0.375nc grB pl	7

,

)

795 TSL, S795 TSL Hydraulic Plumbing Diagram







Manifold Kit X2547



795 TSL, S795 TSL

Plumbing Parts Table

ltem	Part No.	Description	Quantity
1	24314	3.0 DIA x 30.00 Cylinder Assembly Lift	2
2	24708	3.0 DIA x 22.00 Cylinder Assembly Bucket	2
3	812069	Tee 3/4-16MJIC X 3/4-16 MJIC	4
4	886704	Adaptor Str 3/4 MJIC x 3/4 MIJC	2
5	811414	Elbow 90° 3/4-16 MORB to 3/4 MJIC	2
6	812128	Elbow 90° 3/4 MJIC x 3/4 MJIC	4
7	11362	Pipe Clip	9
8	113031	Tubing Ext. Lift Cyl 23.0"	2
9	114233	Tubing Lift Cyl. (Bottom, Raise)	1
10	114234	Tubing Lift Cyl. Right (Top, Drop)	1
11	114235	Tubing Bucket Cyl. (Bottom, Dump)	1
12	114236	Tubing Bucket Cyl. (Top, Rollback)	1
13	114328	Tubing Lift Cyl. Left (Bottom, Raise)	1
14	112837	Tubing Cross Tube	2
15	811471	Hose 3/8 X 20 3/4-16 MORB X 3/4-16 SWJIC	2
16	811424	Hose 3/8 X 30 3/4-16 SWFJIC X 3/4-16 SWFJIC	2
17	114605	Hose 3/8 X 24 3/4-16 MORB X 3/4-16 SWFJIC	2
18	811434	Hose 3/8 X 30 3/4-16 MORB X 3/4-16 SWFJIC	2
19	114237	Tubing Lift Cylinder Left (Top, Drop)	1

Parts List for X2547 TSL Manifold Kit*

ltem	Part No.	Description	Quantity
1	24750	TSL Manifold	1
2	114605	Hose 3/8 x 24 3/4-16 MORB x 3/4-16 SWFJIC	2
3	811434	Hose 3/8 x 30 3/4-16 MORB x 3/4-16 SWFJIC	2
4	812069	Tee 3/4-16MJIC X 3/4-16 MJIC	2
5)	812786	Tee 3/4 MJIC x RUN x 3/4 SWFJIC	2
6	812052	Bolt Hex 0.250nc x 3.00 gr5 pl	2
7	81922	Nut Lock (Nylon) 0.25nc grbpl	2

* Required only if cartridge valve kit X2264 not purchased.

795, S795, 795 HSL, S795 HSL, 795 TSL, S795 TSL

Hydraulic Cylinder Assembly

Description	Bucket	TSL Bucket	Lift	Leveling Cylinders
h				3.50"
				12.00"
				22.00"
-		73.75"	71.50"	34.00"
	24309	24708	24314	24319
Seal Kit No.	X1656	X1424	X1424	X1655
Shaft Diameter	1.50"	1.75"	1.75"	1.75"
	Part	Part	Part	Part
Description	Number	Number	Number	Number
Head Plate	24656	24606	24606	24655
Shaft Weldment	112865	113928	112873	112934
Cylinder Tube Weldment	24409	24713	24313	24317
Piston Half (wide)	112862	112862	112882	112659
Piston Half (narrow)	112863	112863	112883	112941
Self-Locking Nut	810457	810457	810457	810457
Shaft Bushing	113766	113578	113766	113766
	DescriptionHead PlateShaft WeldmentCylinder Tube WeldmentPiston Half (wide)Piston Half (narrow)Self-Locking Nut	DescriptionCylindersDiameter3.00"Length of Stroke20.75"Retracted Length35.38"Extended Length58.13"Cylinder Assembly No.24309Seal Kit No.X1656Shaft Diameter1.50"PartDescriptionNumberHead Plate24656Shaft Weldment112865Cylinder Tube Weldment24409Piston Half (wide)112863Self-Locking Nut810457	Bucket Bucket Bucket Description Cylinders Cylinders Diameter 3.00" 3.00" Length of Stroke 20.75" 22.00" Retracted Length 35.38" 51.75" Extended Length 58.13" 73.75" Cylinder Assembly No. 24309 24708 Seal Kit No. X1656 X1424 Shaft Diameter 1.50" 1.75" Head Plate 24656 24606 Shaft Weldment 112865 113928 Cylinder Tube Weldment 24409 24713 Piston Half (wide) 112862 112862 Piston Half (narrow) 112863 112863 Self-Locking Nut 810457 810457	Description Bucket Cylinders Bucket Cylinders Lift Cylinders Diameter 3.00" 3.00" 3.00" Length of Stroke 20.75" 22.00" 30.00" Retracted Length 35.38" 51.75" 41.50" Extended Length 58.13" 73.75" 71.50" Cylinder Assembly No. 24309 24708 24314 Seal Kit No. X1656 X1424 X1424 Shaft Diameter 1.50" 1.75" 1.75" Part Part Part Number Head Plate 24656 24606 24606 Shaft Weldment 112865 113928 112873 Cylinder Tube Weldment 24409 24713 24313 Piston Half (wide) 112862 112862 112882 Piston Half (narrow) 112863 112863 112883 Self-Locking Nut 810457 810457 810457



NOTES:

- 1. Bucket cylinder shown
- 2. All cylinder seals are contained in corresponding seal kit.

CAUTION: Maximum pressure – 2750 psi