

## Suggested Stocking Guide L90C-324

### Consumables (Approx 1 Year Supply\*) Miscellaneous Parts / Seals

Allied P/N	Description	On-Hand Quantity (Recommended)	Allied P/N	Description	Quantity on Machine
219374	Grease	20 Gallons	230463	Hydraulic Tank Breather Element	1
238206	Transmission Fluid	55 Gallons	503682	Hydraulic Tank Dipstick	1
219371	Hydraulic Oil	550 Gallons	562468	Return Filter Cover Plate Gasket	1
236077	Engine Oil	110 Gallons	208234	Elbow, Air Intake (Rubber)	2
235720	Drive Axle Gear Oil	120 Lbs/~16 Gal	228425	Elbow, Air Intake (Rubber)	1
587382	Anti-Freeze, Premix	24 Gallons	217495	Elbow, Air Intake (Rubber)	1
224319	Air Cleaner Primary Element	4	R1904878	Elbow, Air Intake (Rubber)	1
217617	Air Cleaner Safety Element	2	243652	Tube, Radiator	175
587565	Engine Oil Filter	12	250669	Seal, Locking (Radiator)	175
587622	Cooling System Filter	12	250670	Seal (Radiator)	175
587624	Primary Fuel Filter Element	4	250680	Tube, Aftercooler	117
587568	Secondary Fuel Filter Element	4	226663	Grommet (Aftercooler)	117
243457	Return Filter Elements	8	226664	Grommet (Aftercooler)	117
570244	Service Kit, 40 GPM Hyd Filter	4	230387	Rubber Boot, Rem. Control Valve	4
570245	Service Kit, 100 GPM Hyd Filter	12	249617	Bellows, Remote Control Valve	1
247429	Transmission Filter Element	8	231800	Seat Suspension	1
253696	Transmission Strainer Element	4	505499	Gasket, Tandem Pump	1
587378	V-Belt, Fan Drive	3	505499	Gasket, Steering Pump	1
234899	V-Belt, AC	1	226184	Gasket, Brake/Pilot Pump	1
230866	V-Belt, Alternator	1	215403	Cross Assembly For Driveline	2
236397	Brake Linings, Drive Axle	8	250090	Cross Assembly For Driveline	2
			226184	Brake Cooling Pump	1

### Tools

Allied P/N	Description	On-Hand Quantity (Recommended)
226672	Breaker Tool, Radiator Tubes	1
226671	Installation Tool, Radiator Tubes	1
252920	Lube Brush, Seal & Tube End	1
252922	Installation Tool, Radiator Tubes	1
259069	Header Plate Hole Cleaning Brush	1
243274	Accumulator Recharge Valve	1
509574	Air Hose Kit	1
558533	Fire Extinguisher Wrench	1
537788	Spindle Nut Wrench	1
214203	Gauge, 0-3000 psi	1

### Electrical

Allied P/N	Description	Quantity on Machine
R13659	Work Light	10
251107	Lamp, 28v Yellow LED	1
251106	Lamp, 28v Green LED	10
249692	Display Module, Powerview	1
585823	Programmable Controller	1
242950	Fuse, 1 Amp	20
200220	Battery, 12v	2
249106	Battery Disconnect Switch	1

\*Calculated at 2000 hours/year.

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### Bushings and Pins

Allied P/N	Description	Quantity on Machine
505350	Steering Cyl Base End Bushing	2
500290	Steering Cyl Base End Pin	2
204502	Steering Cyl Rod End Bearing	2
501253	Steering Cyl Rod End Pin	2
505568	Hoist Cyl Base End Bushing	4
505887	Hoist Cyl Base End Pin	2
561170	Hoist Cyl Rod End Bushing	2
561306	Hoist Cyl Rod End Pin	1
565059	Tilt Cyl Base End Bushing	2
562940	Tilt Cyl Base End Pin	2
561170	Tilt Cyl Rod End Bushing	2
562852	Tilt Cyl Rod End Pin	1
505206	HD Cyl Base End Bushing	4
500418	HD Cyl Base End Pin	2
505603	HD Cyl Rod End Bushing	4
505841	HD Cyl Rod End Pin	2
534117	HD Arm @ Pivot Bushing	4
573783	HD Arm @ Pivot Pin	2
505206	Aux HD Cyl Base End Bushing	4
505202	Aux HD Cyl Base End Pin	2
505603	Aux HD Cyl Rod End Bushing	2
527477	Aux HD Cyl Rod End Pin	2
523541	Aux HD Arm @ Pivot Bushing	4
525424	Aux HD Arm @ Pivot Pin	2
505206	KO Cyl Base End Bushing	4
500418	KO Cyl Base End Pin	2
505880	KO Cyl Rod End Bushing	4
541616	KO Cyl Rod End Pin	2
534117	KO Arm @ Pivot Bushing	4
573783	KO Arm @ Pivot Pin	2
501571	KO Arm @ KO Cyl Bushing	2
561170	Boom to Carriage Bushing	2
562851	Boom to Carriage Pin	1
561170	Boom to Chassis Bushing	2
563504	Boom to Chassis Pin	1
563700	Stabilizer Ear Pin	2
526294	Tine Pin	2

### Tines and Arms

Allied P/N	Description	Quantity on Machine
579450	HD Arm	2
574516	KO Arm	2
580280	LH Aux HD Arm	1
580281	RH Aux HD Arm	1
526133	Tine	2

### Bearings

Allied P/N	Description	Quantity on Machine
214471	Bearing Cup (Tailpost)	1
214472	Bearing Cone (Tailpost)	1
204540	Bearing Cone (Tailpost)	2
204603	Bearing Cone (Tailpost)	2
212198	Bearing Cup (Tailpost)	1
212199	Bearing Cone (Tailpost)	1
204602	Bearing Cup (Rear Wheel)	2
204639	Bearing Cup (Rear Wheel)	2
216147	Bearing Cup (Front Axle)	2
201143	Bearing Cup (Front Axle)	2
216146	Bearing Cone (Front Axle)	2
201148	Bearing Cone (Front Axle)	2

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### Safety Stock

Allied P/N	Description	Quantity on Machine
256295	Converter	1
245520	Pump, Steering	1
245519	Pump, Tandem, Implement	1
222452	Pump, Converter Charge	1
258357	Pump, Brake	1
258358	Pump, Brake Cooling	1
244179	Transmission	1
580700	Differential & Carrier Assy	1
211953	Planet Carrier Assembly	2
547338	Axle Shaft	2
249020	Driveline	1
249025	Driveline	1
574867	Cylinder, HD	2
526164	Cylinder, KO	2
524403	Cylinder, Aux HD	2
569848	Cylinder, Steering	2
562896	Cylinder, Hoist	2
586456	Cylinder, Tilt	2
250637	Valve, Hoist & Tilt	1
234990	Valve, Flow Amplifier	1
236721	Valve, HD/KO	2

### Rebuild Kits/Components

Allied P/N	Description	Quantity on Machine
581995	Service Kit, Parking Brake	1
584264	Service Kit, Differential	1
587562	Service Kit, Planet Carrier	2
587563	Service Kit, Drive Axle	1
566413	Service Kit, HD Cyl	2
566412	Service Kit, KO Cyl	2
566412	Service Kit, Aux HD Cyl	2
566408	Service Kit, Steering Cyl	2
533670	Service Kit, Hoist Cyl	2
568937	Service Kit, Tilt Cyl	2
587561	Service Kit, Hoist/Tilt Valve	1
234639	Service Kit, Flow Amplifier	1
570810	Service Kit, HD/KO Valve	2
587623	Service Kit, Transmission	1
587619	Service Kit, Converter	1
570246	Service Kit, Brake	4
257100	Flexplate Kit	1

### Hose Kits

Allied P/N	Description	Quantity on Machine
587625	Hose Kit, Boom System	1
587626	Hose Kit, Carriage Hydraulic Sys	1
587627	Hose Kit, Power Unit	1
587628	Hose Kit, Cab Air System	1
587629	Hose Kit, Chassis Air System	1
587630	Hose Kit, Fuel System	1
587631	Hose Kit, Chassis Hydraulic Sys	1
587632	Hose Kit, Steering System	1
587633	Hose Kit, Hoist & Tilt System	1
587634	Hose Kit, Valve Module	1
587635	Hose Kit, Cowl to Valves	1
587636	Hose Kit, Transmission System	1
587637	Hose Kit, Brake System	1
587638	Hose Kit, Controls	1
587639	Hose Kit, Remote Lube System	1

## Every 10 Hours / Daily

### Shift Maintenance Checklist

Note general vehicle condition. Clear away all collected debris - steam clean if necessary. Check for mechanical damage and loose or leaking components. Report all faults to maintenance department.

Before Starting Engine, Check the Following:				
Ref	Component	OK	NO	ADD
1	ENGINE (Check oil level - check for leaks)			
2	V-BELTS (Check tension - check for damage - change as required)			
3	HYDRAULIC TANK (Check oil level - check for leaks)			
4	RADIATOR & OIL COOLER (Check coolant level - check for leaks; are fins clean and unobstructed?)			
5	AIR CLEANER/INTAKE SYSTEM (Check indicator - clean / change element as required, empty dust cup, check for leaks / damage)			
6	ENGINE BELTS (Check for adjustment and wear)			
7	WHEELS & TIRES (Check condition and pressure)			
8	AIR TANK (Check drain valves for correct operation)			
9	LUBRICATE CHASSIS (Refer to lube chart)			
10	WALK AROUND INSPECTION OF STRUCTURE (Check welds, leaks, damaged components, etc...)			
11	FIRE SAFETY CHECK (Check for accumulated debris in engine compartment, etc)			
12	FIRE SUPPRESSION SYSTEMS (Verify certifications are current)			

After Starting Engine, Check the Following:				
Ref	Component	OK	NO	ADD
13	ENGINE (Does it sound normal?)			
14	INSTRUMENTS (Check for normal readings)			
15	CONTROLS (Check for normal operation)			
16	EXHAUST SYSTEM (Check for leaks and excessive smoke)			
17	TRANSMISSION (After warming to operation temp, check oil level - check for leaks)			

Note Anything Abnormal or in Need of Repair:		
Component	Comments	
LIGHTS		
DEFROSTER		
REVERSE WARNING HORN		
HORN		
WINDSHIELD WIPERS		
HEATER		
AIR CONDITIONER		

OPERATOR \_\_\_\_\_

SUPERVISOR \_\_\_\_\_

DATE \_\_\_\_\_

MODEL L90C \_\_\_\_\_

SERIAL No 039324 \_\_\_\_\_

HOUR METER \_\_\_\_\_

## Every 50 Hours or Weekly

### Checklist

1	Repeat the 10 hour check	OK <input type="checkbox"/>	No <input type="checkbox"/>
2	Check for fluid leaks - oil, fuel, water, transmission	OK <input type="checkbox"/>	Repair <input type="checkbox"/>
3	Check wear indicator on wet disk brakes	OK <input type="checkbox"/>	Repair <input type="checkbox"/>
4	Check wheel lug nuts and studs mechanically	OK <input type="checkbox"/>	Repair <input type="checkbox"/>
5	Check battery electrolyte level	OK <input type="checkbox"/>	Add <input type="checkbox"/>
6	Lubricate chassis - refer to Lubrication chart	OK <input type="checkbox"/>	No <input type="checkbox"/>
7	Check for structural damage - inspect chassis & attachments for bending, cracking & broken welds	OK <input type="checkbox"/>	Repair <input type="checkbox"/>

### Consumables

Allied P/N	Description	Quantity Required for this Interval
219374	Grease, Mobilgrease XHP 222 Special	As Required
238206	Transmission Fluid, Mobil 424	As Required
219371	Hydraulic Oil, Mobil DTE 10 Excel 32	As Required
236077	Engine Oil	As Required
235720	Drive Axle Gear Oil	As Required

MECHANIC \_\_\_\_\_

SUPERVISOR \_\_\_\_\_

DATE \_\_\_\_\_

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HOUR METER \_\_\_\_\_

**Every 250 Hours or Monthly****Checklist**

1	Repeat the 50 hour check	OK <input type="checkbox"/>	No <input type="checkbox"/>
2	Take engine oil sample for analysis	OK <input type="checkbox"/>	No <input type="checkbox"/>
3	Change engine oil & filters	OK <input type="checkbox"/>	No <input type="checkbox"/>
4	Change fuel filters	OK <input type="checkbox"/>	No <input type="checkbox"/>
5	Check axle differential oil level	OK <input type="checkbox"/>	Add <input type="checkbox"/>
6	Check axle planetary oil level	OK <input type="checkbox"/>	Add <input type="checkbox"/>
7	Change Cooling System Filter	OK <input type="checkbox"/>	No <input type="checkbox"/>
8	Check all hydraulic pressures and record	OK <input type="checkbox"/>	No <input type="checkbox"/>

**Consumables**

Allied P/N	Description	Quantity Required for this Interval
236077	Engine Oil	9 Gallons
587565	Engine Oil Filter	1
587622	Cooling System Filter	1

MECHANIC \_\_\_\_\_

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**Every 500 Hours or Quarterly****Checklist**

1	Repeat the 250 hour check	OK <input type="checkbox"/>	No <input type="checkbox"/>
2	Change Hydraulic filters	OK <input type="checkbox"/>	No <input type="checkbox"/>
3	Change Transmission filters	OK <input type="checkbox"/>	No <input type="checkbox"/>
4	Take oil samples from transmission, axle, and hydraulic system for analysis	OK <input type="checkbox"/>	No <input type="checkbox"/>
5	Check Accumulator pre-charge pressure	OK <input type="checkbox"/>	No <input type="checkbox"/>

**Consumables**

Allied P/N	Description	Quantity Required for this Interval
587624	Primary Fuel Filter Element	1
587568	Secondary Fuel Filter Element	1
243457	Return Filter Elements	2
570244	Filter Service Kit, 40 GPM Hyd Filter	1
570245	Filter Service Kit, 100 GPM Hyd Filter	3
247429	Transmission Filter Element	2
253696	Transmission Strainer Element	1

MECHANIC \_\_\_\_\_

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**Every 1,000 Hours or Semi-Annually****Checklist**

1	Repeat the 500 hour check	OK <input type="checkbox"/>	No <input type="checkbox"/>
2	Change transmission oil	OK <input type="checkbox"/>	No <input type="checkbox"/>
3	Clean and flush cooling system	OK <input type="checkbox"/>	No <input type="checkbox"/>
4	Check pins and bushings for wear	OK <input type="checkbox"/>	No <input type="checkbox"/>
5	Steam clean machine, inspect for structural cracks	OK <input type="checkbox"/>	No <input type="checkbox"/>
6	Have ANSUL representative inspect and recertify fire suppression system	OK <input type="checkbox"/>	No <input type="checkbox"/>

**Consumables**

Allied P/N	Description	Quantity Required for this Interval
238206	Transmission Fluid, Mobil 424	20 Gallons
587382	Anti-Freeze, Premix	12 Gallons

MECHANIC \_\_\_\_\_

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MODEL L90C \_\_\_\_\_

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HOUR METER \_\_\_\_\_



**Every 2,000 Hours or Annually****Checklist**

1	Repeat the 1,000 hour check	OK <input type="checkbox"/>	No <input type="checkbox"/>
2	Drain, flush and fill differential	OK <input type="checkbox"/>	No <input type="checkbox"/>
3	Drain, flush and fill planetaries	OK <input type="checkbox"/>	No <input type="checkbox"/>
4	Change hydraulic oil	OK <input type="checkbox"/>	No <input type="checkbox"/>
5	Have Allied representative inspect machine (annually)	OK <input type="checkbox"/>	No <input type="checkbox"/>

**Consumables**

Allied P/N	Description	Quantity Required for this Interval
235720	Drive Axle Gear Oil	120 Lbs
219371	Hydraulic Oil, Mobil DTE 10 Excel 32	550 Gallons

MECHANIC \_\_\_\_\_

SUPERVISOR \_\_\_\_\_

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HOUR METER \_\_\_\_\_

## Major Overhaul

### Checklist

1	Replace all hydraulic hoses	OK <input type="checkbox"/>	No <input type="checkbox"/>
2	Rebuild drive axle	OK <input type="checkbox"/>	No <input type="checkbox"/>
3	Rebuild hydraulic cylinders	OK <input type="checkbox"/>	No <input type="checkbox"/>
4	Rebuild hydraulic valves	OK <input type="checkbox"/>	No <input type="checkbox"/>
5	Rebuild transmission	OK <input type="checkbox"/>	No <input type="checkbox"/>
6	Rebuild torque converter	OK <input type="checkbox"/>	No <input type="checkbox"/>

### Kits

Allied P/N	Description	Quantity Required for this Interval
587625	Hose Kit, Boom Assembly	1
587626	Hose Kit, Carriage Hydraulic Sys	1
587627	Hose Kit, Power Unit	1
587628	Hose Kit, Cab Air System	1
587629	Hose Kit, Chassis Air System	1
587630	Hose Kit, Fuel System	1
587631	Hose Kit, Chassis Hydraulic Sys	1
587632	Hose Kit, Steering System	1
587633	Hose Kit, Hoist & Tilt System	1
587634	Hose Kit, Valve Module	1
587635	Hose Kit, Cowl to Valves	1
587636	Hose Kit, Transmission System	1
587637	Hose Kit, Brake System	1
587638	Hose Kit, Controls	1
587639	Hose Kit, Remote Lube System	1
236397	Brake Linings, Drive Axle	8
581995	Service Kit, Parking Brake	2
584264	Service Kit, Differential	1
587562	Service Kit, Planet Carrier	1
587563	Service Kit, Drive Axle	1
566413	Service Kit, HD Cyl	2
566412	Service Kit, KO Cyl	2
566412	Service Kit, Aux HD Cyl	2
566408	Service Kit, Steering Cyl	2
533670	Service Kit, Hoist Cyl	2
568937	Service Kit, Tilt Cyl	2
587561	Service Kit, Hoist/Tilt Valve	1
234639	Service Kit, Flow Amplifier	1
570810	Service Kit, HD/KO Valve	2
587623	Service Kit, Transmission	1
587619	Service Kit, Converter	1
257100	Flexplate Kit	1
570246	Service Kit, Brake	4

MECHANIC \_\_\_\_\_

SUPERVISOR \_\_\_\_\_

DATE \_\_\_\_\_

MODEL L90C \_\_\_\_\_

SERIAL No 039324 \_\_\_\_\_

HOUR METER \_\_\_\_\_