

## Suggested Spares Guide L100F-336

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

Allied P/N	Description	On-Hand Quantity (Recommended)
219374	Grease	20 Gallons
238206	Transmission Fluid	60 Gallons
	Hydraulic Oil	540 Gallons
236077	Engine Oil	110 Gallons
235720	Drive Axle Gear Oil	120 Lbs/~16 Gal
221340	Anti-Freeze, Premix 50/50	24 Gallons
226990	Air Cleaner Primary Element	4
226991	Air Cleaner Safety Element	2
587565	Engine Oil Filter	12
225551	Water Treatment Element	12
588188	Separator, Fuel/Water Element	4
587568	Fuel Filter Element	4
243458	Return Filter Elements	8
588192	Service Kit, 40 GPM Hyd Filter	4
588191	Service Kit, 100 GPM Hyd Filter	12
247429	Transmission Filter Element	8
253696	Transmission Strainer Element	4
588190	V-Belt, Fan Drive	3
252748	V-Belt, AC	1
588189	V-Belt, Alternator	1
229740	Brake Linings, Parking Brakes	4

Allied P/N	Description	Quantity on Machine
230463	Hydraulic Tank Breather Element	1
562966	Hydraulic Tank Dipstick	1
562468	Return Filter Cover Plate Gasket	1
226793		1
208234		1
228425	Elbow, Air Intake (Rubber)	1
215733		2
224226		1
243652	Tube, Radiator	190
250669	Seal, Locking (Radiator)	190
250670	Seal (Radiator)	190
588196	Tube, Aftercooler	190
226663	Grommet (Aftercooler)	190
226664	Grommet (Aftercooler)	190
249617	Bellows, Remote Control Valve	1
231800	Seat Suspension	1
215403	Cross Assembly For Driveline	2
250090	Cross Assembly For Driveline	2
505499	Gasket, Steering Pump, Mounting	2
R235961	Gasket, Transmission Charge Pump	1
226184	Gasket, Steering Pump Rear Face	2

### 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
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
231135	Gauge, 0-5000 psi	1
588466	Socket Set, 3/8Dr 3/8 To 7/8 22PC	1
588467	Socket Set, 1/2Dr 3/8 To 1-1/4 30PC	1
588468	Socket Set, 3/4Dr 7/8 To 2-3/8 29PC	1
588469	Wrench Set 5/16 To 2-1/2 31PC	1

### Electrical

Allied P/N	Description	Quantity on Machine
204785	Light, Dome	1
259080	Light, Halogen	11
251107	Lamp, 28v Yellow LED	2
251106	Lamp, 28v Green LED	16
259273	Light Pilot, Yellow	6
259272	Light Pilot, Red	2
259271	Light Pilot, Green	6
249692	Display Module, Powerview	1
585823	Programmable Controller	1
242950	Fuse, 1 Amp	16
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
573209	Hoist Cyl Base End Bushing	4
572737	Hoist Cyl Base End Pin	2
561170	Hoist Cyl Rod End Bushing	4
566920	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
505664	HD Cyl Base End Bushing	4
531543	HD Cyl Base End Pin	2
505880	HD Cyl Rod End Bushing	4
552409	HD Cyl Rod End Pin	2
523862	HD Arm @ Pivot Bushing	4
531586	HD Arm @ Pivot Pin	2
531801	HD Arm @ HD Cyl Bushing	2
505664	KO Cyl Base End Bushing	4
531543	KO Cyl Base End Pin	2
505880	KO Cyl Rod End Bushing	4
512865	KO Cyl Rod End Pin	2
523862	KO Arm @ Pivot Bushing	4
531586	KO Arm @ Pivot Pin	2
531801	KO Arm @ KO Cyl Bushing	2
538104	Boom to Carriage Bushing	2
523107	Boom to Carriage Pin	1
561170	Boom to Chassis Bushing	4
563504	Boom to Chassis Pin	1
563700	Stabilizer Ear Pin	2
508737	Tine Pin	2

### Tines and Arms

Allied P/N	Description	Quantity on Machine
560937	HD Arm	2
560229	KO Arm	2
581065	Tine	2

### Bearings

Allied P/N	Description	Quantity on Machine
214471	Bearing Cup (Tailpost)	1
234204	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
256298	Converter	1
587672	Pump, Steering	1
258358	Pump, Brake Cooling	1
254695	Pump, Brake	1
245617	Pump, Implements	2
222452	Pump, Charge	
247471	Transmission	1
580700	Differential & Carrier Assy	1
211953	Planet Carrier Assembly	2
547338	Axle Shaft	2
250400	Driveline	1
249953	Driveline	1
531565	Cylinder, HD	2
531671	Cylinder, KO	2
569848	Cylinder, Steering	2
566999	Cylinder, Hoist	2
580771	Cylinder, Tilt	2
250637	Valve, Hoist & Tilt	1
234082	Valve, Flow Amplifier	1
587576	Valve, HD/KO	2

### Rebuild Kits/Components

Allied P/N	Description	Quantity on Machine
581995	Service Kit, Parking Brake	2
225524	Service Seal Kit, Parking Brake	2
584264	Service Kit, Differential	1
217706	Service Kit, Ring & Pinion Gear	1
587562	Service Kit, Planet Carrier	2
587563	Service Kit, Drive Axle	1
518924	Service Kit, HD Cyl	2
518924	Service Kit, KO Cyl	2
566408	Service Kit, Steering Cyl	2
566401	Service Kit, Hoist Cyl	2
568937	Service Kit, Tilt Cyl	2
587561	Service Kit, Hoist/Tilt Valve	1
234639	Service Kit, Flow Amplifier	1
588312	Service Kit, HD/KO Valve	2
583010	Service Kit, Transmission	1
570774	Service Kit, Converter	1
257100	Kit, Flexplate	1

### Hose Kits

Allied P/N	Description	Quantity on Machine
587547	Hose Kit, Boom Assembly	1
587548	Hose Kit, Carriage Hyd System	1
208287	Hose, Power Unit	1
587551	Hose Kit, Fuel System	1
588225	Hose Kit, Chassis Hyd System	1
588226	Hose Kit, Steering System	1
587554	Hose Kit, Hoist & Tilt System	1
588234	Hose Kit, Valve Module	1
588249	Hose Kit, Controls - Seat	1
588261	Hose Kit, Transmission System	1
588286	Hose Kit, Brake System	1
588638	Hose Kit, Air Conditioner/Heat	1
587560	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. Always refer to manufactures (e.g. engine, transmission, converter) maintenance manual before performing any maintenance.

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 L100F  
 SERIAL No 106336  
 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
	Oil, Hydraulic Oil; Mobil 424	As Required
236077	Engine Oil	As Required
235720	Drive Axle Gear Oil	As Required

MECHANIC \_\_\_\_\_

SUPERVISOR \_\_\_\_\_

DATE \_\_\_\_\_

MODEL L100F \_\_\_\_\_

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### 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	Check axle differential oil level	OK <input type="checkbox"/>	Add <input type="checkbox"/>
5	Check axle planetary oil level	OK <input type="checkbox"/>	Add <input type="checkbox"/>
6	Change water treatment element	OK <input type="checkbox"/>	No <input type="checkbox"/>
7	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	10 Gallons
587565	Engine Oil Filter	1
225551	Water Treatment Element	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 fuel filters	OK <input type="checkbox"/>	No <input type="checkbox"/>
3	Change Hydraulic filters	OK <input type="checkbox"/>	No <input type="checkbox"/>
4	Change Transmission filters	OK <input type="checkbox"/>	No <input type="checkbox"/>
5	Take oil samples from transmission, axle, and hydraulic system for analysis	OK <input type="checkbox"/>	No <input type="checkbox"/>
6	Check Accumulator pre-charge pressure	OK <input type="checkbox"/>	No <input type="checkbox"/>

### Consumables

Allied P/N	Description	Quantity Required for this Interval
588188	Separator, Fuel/Water Element	1
587568	Fuel Filter Element	1
243458	Return Filter Elements	2
588192	Filter Service Kit, 40 GPM Hyd Filter	1
588191	Filter Service Kit, 100 GPM Hyd Filter	3
247429	Transmission Filter Element	2
253696	Transmission Strainer Element	1

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

**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	30 Gallons
221340	Anti-Freeze, Premix 50/50	24 Gallons

MECHANIC \_\_\_\_\_

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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
238206	Oil, Hydraulic Oil; Mobil 424	540 Gallons

MECHANIC \_\_\_\_\_

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## 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
587547	Hose Kit, Boom Assembly	1
587548	Hose Kit, Carriage Hyd System	1
208287	Hose Kit, Power Unit	1
587551	Hose Kit, Fuel System	1
588225	Hose Kit, Chassis Hyd System	1
588226	Hose Kit, Steering System	1
587554	Hose Kit, Hoist & Tilt System	1
588234	Hose Kit, Valve Module	1
588261	Hose Kit, Transmission System	1
588286	Hose Kit, Brake System	1
588249	Hose Kit, Controls	1
587560	Hose Kit, Remote Lube System	1
581995	Service Kit, Parking Brake	2
584264	Service Kit, Differential	1
587562	Service Kit, Planet Carrier	2
587563	Service Kit, Drive Axle	1
518924	Service Kit, HD Cyl	2
	Service Kit, KO Cyl	2
566408	Service Kit, Steering Cyl	2
566401	Service Kit, Hoist Cyl	2
568937	Service Kit, Tilt Cyl	2
587561	Service Kit, Hoist/Tilt Valve	1
234639	Service Kit, Flow Amplifier	1
588312	Service Kit, HD/KO Valve	2
583010	Service Kit, Transmission	1
570774	Service Kit, Converter	1
257100	Kit, Flexplate	1

MECHANIC \_\_\_\_\_

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