

Altec Product Support
Creedmoor

05 V-200
(13 pages)



April 15, 2005

Administrator
National Highway Traffic Safety Administration
400 7th Street, SW
Washington, DC 20590

DEFECTS INVESTIGATION

2005 APR 26 P 2:44

RECEIVED
NHTSA-215

Re: Defect Information Report Pursuant to § 573.6

Dear Administrator:

This letter will serve as the report of Altec Industries, Inc. pursuant to the requirements imposed by 49 CFR § 573.6 of a defect in the configuration of truck chassis units related to motor vehicle safety. This letter will serve as the initial report and will be supplemented as additional information becomes available and as requested by NHTSA. Altec has determined that the truck chassis units involved in this report were sold to one owner, Townsend Tree Service, whose corporate address is 8713 W. Smith Street, Yorktown, IN 47396, and Altec is presently working with Townsend to correct this defect. In accordance with 49 CFR § 573.6, Altec provides the following information:

1. The manufacturer's name:

**Altec Industries Inc.
1550 Aerial Ave
Creedmoor, NC 27525**

2. Identity of the vehicles potentially containing the defect:

- a. **Model LRV aerial device mounted on truck chassis equipped with Altec # 878050022, Electric-Hydraulic/Manual utility brake control. The potential exists for three possible defective conditions:**
 - i. **The hydraulic brake line that connects the vehicles master cylinder to the brake control unit interferes with the windshield wiper drive linkage;**
 - ii. **The hydraulic brake line that connects the vehicles master cylinder to the brake control unit interferes with the clutch linkage inside of cab; and**
 - iii. **Where the hydraulic brake line exits through the firewall, there is no grommet to protect the brake line from abrasion on the steel firewall.**
- b. **These units are mounted on a range of chassis. All are International truck chassis. Models include 4200, 4300, 4700, 4900, 7300, 7400. GVWR ranges from 25,000 – 35,000.**
- c. **Unit serial number range is 0200CV0389 – 0305CV3698 that were built and shipped between February 2000 and March 2005 to Townsend Tree Service.**
- d. **The brake control mounted on these units is a custom option for this customer "Townsend Tree Service" only. This notice will apply to all LRV forestry units manufactured at the Altec, Creedmoor manufacturing Division, shipped to Townsend Tree Service.**

3. The total number of vehicles potentially containing the defect, and where available the number of vehicles in each group identified pursuant to paragraph 2 above.

Our records indicate that this issue could involve 125 units.

4. The percentage of vehicles specified pursuant to paragraph 2 estimated to actually contain the defect.
The potential would be for all 125 units to have one of the three conditions referenced in paragraph 2.

5. A description of the defect, including a brief summary and detailed description, with graphic aides as necessary, of the nature and physical location (if applicable) of the defect:

See attached Inspection and Repair procedure issued to initiate inspection process.

Altec Product Support

Creedmoor



6. In the case of a defect, a chronology of all principal events that were the basis for the determination that the defect related to motor vehicle safety, including a summary of all warranty claims, field or service reports, and other information, with their dates of receipt:

- a. **31 March 2005: Customer contacted Altec Industries, Creedmoor division and reported that when the clutch was engaged the brake controller would move.**
- b. **2 April, 2005: Two units were picked up for delivery to customer.**
- c. **4 April 2005: Customer contacted account manager and informed him that one of the units that was picked up over the weekend had lost brakes before making final destination. Customer was asked by Product support to obtain photographs of where component had failed so that corrective action could be determined. All customer units equipped with this particular option at Creedmoor were put on hold to keep any unit from shipping.**
- d. **5 April 2005: Photographs were received and review determined cause of brake line failure. A review to determine the scope of issue was started. Determined that the issue was isolated to this single customer with this particular brake control option.**
- e. **Units at factory were pulled back into the factory and modifications were made to comply with manufacturer's guidelines.**
- f. **It was determined that the instructions supplied with the Electric Hydraulic/Manual utility brake control were not followed.**

7. A description of the manufacturer's program for remedying the defect:

- a. **Altec Industries will issue inspections and repair procedures. See attached document**
- b. **Altec will send by certified mail the inspection and repair procedure to the customer on 15 April 2005.**

8. A representative copy of all notices, bulletins, and other communications that relate directly to the defect:

See attached.

9. Manufacturer's copy of proposed owner notification letter:

See attached.

10. The manufacturer's campaign number, if it is not identical to the identification number assigned b NHTSA.

Will be same as NHTSA number.

Altec will supplement this report as necessary and as requested by NHTSA as additional information becomes available. Because this defect involves only one owner, Townsend Tree Service, and Altec is already in communication with this owner regarding remedying this defect, it is expected that appropriate safety precautions and repairs can be made expeditiously. If additional information is needed with respect to this report, please do not hesitate to contact me. Thank you for your consideration with respect to this report.

Sincerely,

A handwritten signature in black ink that reads "Harvey Satterwhite". The signature is fluid and cursive.

Harvey Satterwhite

Altec Product Support

Creedmoor



HS/tll


cc: Mr. Jonathan White (Via Certified Mail, Return Receipt)
Office of Defects Investigation
National Highway Traffic Safety Administration
400 7th Street, SW
Washington, DC 20590

Altec Product Support

Creedmoor



To: Mr. Andy Townsend
Townsend Tree
8713 W. Smith Street
Yorktown, IN 47396

From: Harvey Satterwhite 

Copy: Mike Anderson, Mike Arrington, Joseph Gonenc, Hugh Cate, Mike Kedanis

Date: April 14, 2005

Subject: Inspection of LRV series units for the following conditions.

It was reported on 4 April 2005 that one of your units experienced the loss of brakes during delivery. Inspection disclosed interference between the windshield wiper drive arm and brake line that runs between the chassis master cylinder and brake control inside the cab. This interference caused the brake line to rupture.

As a result of this condition we are requesting the immediate inspection of the units listed on the attached matrix. Serious injury or death can result from impairment or failure of the vehicle brakes

Units affected: Townsend Tree Service, LRV unit, installed at the Creedmoor final assembly plant between the years 2000 and 2005 equipped with Altec #878050022, Electric Hydraulic/Manual Utility control for trailer brake operation. Unit serial number range is 0200CV0389 through 0305CV3698. According to our records there are 127 units in your fleet needing this inspection, and they are listed on the attachment. If you do not own one or more of these units, please notify us immediately.

The following inspection guidelines and repair procedure should be used to inspect and correct these conditions.

Inspection Procedure

Park unit and set parking brakes. Open engine compartment hood. Properly identify the brake line that runs between the master cylinder mounted on the firewall inside the engine compartment and hydraulic brake control unit mounted inside the cab (See Figure 1).

Note: If brake line is damaged or shows signs of rubbing immediate replacement of brake line is required. Remove unit from service until repaired. See brake line Installation Instructions below for replacement of brake line.

- **Inspect for clutch linkage interference.** Depress and release the clutch and look for interference between the clutch linkage and brake line shown in Figure 1.
- **Inspect for bushing.** Inspect to see that the brake line runs through a bushing in the firewall where the brake line exits the cab as shown in Figure 1.

- **Inspect for wiper linkage interference.** Turn windshield wiper to the on position so the operate. Check for interference between the windshield wiper drive linkage and brake line running from the brake control to the mater cylinder as shown in Figure 2.

Figure 1. Inspect the clutch linkage / brake line clearance found inside the “Cab”. Ensure a grommet is installed in the firewall.

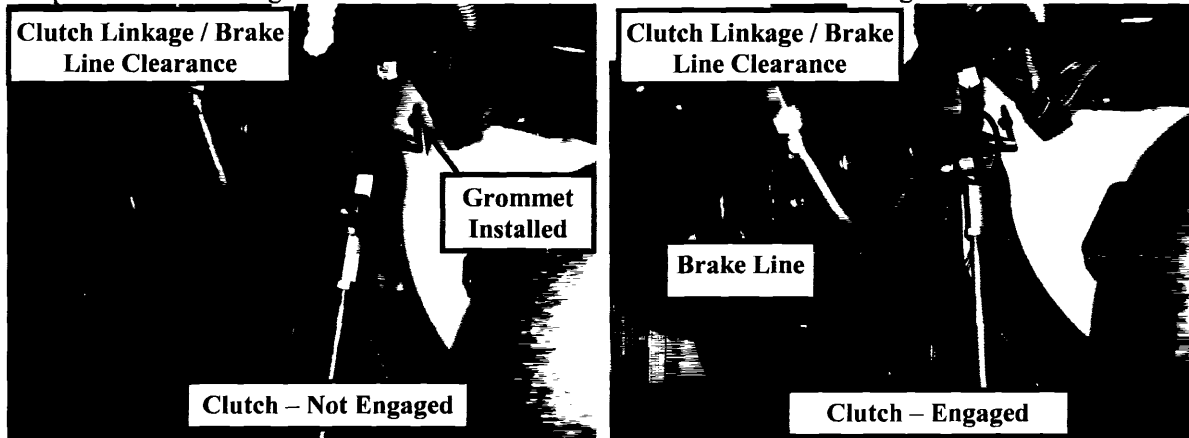
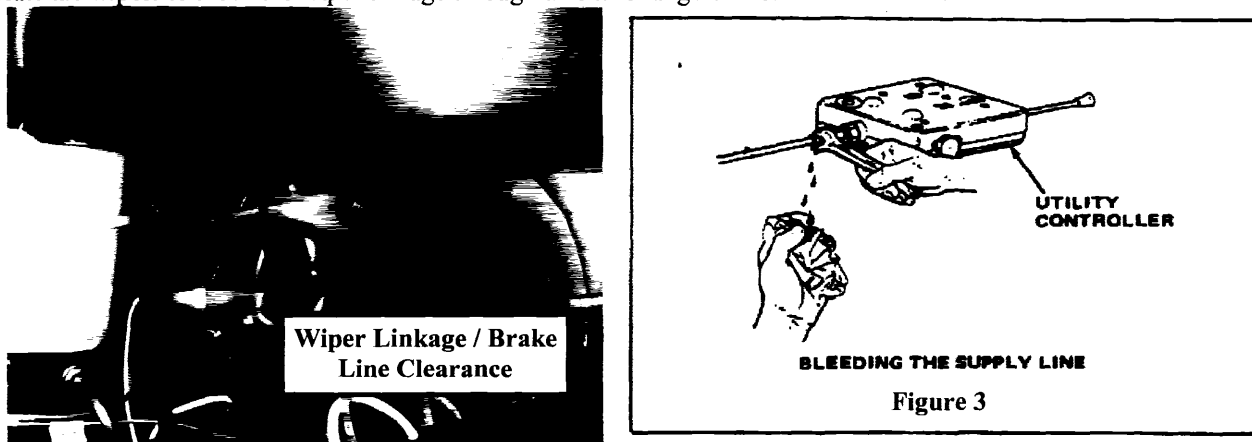


Figure 2. Inspect the wiper arm mechanism for clearance in the “Engine Compartment”

Operate the wipers to move the wiper linkage through its entire range of motion to confirm clearance in all circumstances.



Repair Procedures

- If any portion of the brake line shows signs of rubbing, it must be replaced immediately. See instructions below.
- If the brake line is not damaged and only has interference between the clutch linkage or windshield wiper drive linkage, gently bend the line to allow for clearance between these components. Ensure that the brake line does not kink when bending. If a kink occurs, replace the brake line.
- If there is not bushing installed in the firewall, check brake line for signs of rubbing. If rubbing has occurred, replace the brake line. If there are no signs of rubbing in this area, install bushings as follows.
 - From the engine compartment slip the large split bushing over the brake line running from the master cylinder to the brake control and snap into hole in firewall.
 - From the engine compartment slip the small split bushing over the brake line running from the master cylinder to the brake control and snap into the large bushing just installed in firewall.

Note: If the brake line is replaced the line will have to be purged of air. See Brake Line Installation Instruction below.

Brake Line Installation Instructions

- To replace the brake line, uncoil the new line leaving (1) coil in the line. Form and run new brake line through firewall to the control unit. Install the male tubing nut into the female fitting on the controller, but do not tighten. Take care not to deform the female thread of the fitting, which has been pre-tightened during assembly of the controller. Form the new brake line to clear all objects between brake control and master cylinder. Insert the male tubing nut into the tee at the master cylinder. Tighten the tubing nut to 150 in. lbs.
 - To bleed the hydraulic system, (Figure 3), wrap a rag around the connection at the brake control and depress the brake pedal slowly and often enough to fill the tubing with fluid. All air must be bled from this line. When the hydraulic fluid appears on the rag, remove it and tighten the tubing nut to 150 in. lbs., while the brake pedal is depressed. The factory installed controller fitting should not be re-tightened. **CAUTION:** When the tubing nut is tightened, use a wrench to hold the female fitting on the control unit. Rocking the female fitting will cause leakage at the threads.
 - To test the brakes for sponginess and leaks, pump the brake pedal and hold it depressed for approximately one minute. If sponginess exists, the entire system should be bled at the wheel cylinders. Refill the master cylinder fluid reservoir as required. .
 - Operate windshield wipers and clutch pedal to ensure that the brake line clears these moving components.
- For each unit inspected, Complete the attached Inspection/Repair Verification and fax to 919-528-8092.
 - Return unit to service.

Replacement Parts:

Brake Line #970035337
Small Split Bushing #970035316
Large Split Bushing #970035324
(1) Each maybe required per unit.

Replacement parts will be sent to the customer at no charge. Contact Altec Parts @ 919-528-2535

Inspection / Repair Verification
After completion of the inspection and repair
FAX this completed form immediately to 919-528-8092

Altec Unit Serial Number: _____ CV _____

Customer Truck Number: _____

Unit Inspected and found that

_____ Brake line between control and master cylinder was found to be installed properly.

_____ Brake line was found Not properly installed.

If unit is found not properly installed, check the corrective action that was performed.

_____ Brake line was repaired per the instructions outlined and unit returned to service.

_____ Brake line was replaced per the instructions outlined and unit returned to service.

Inspection by: _____ Date: ____ / ____ / ____
Print Name

Person performing Repair: _____ Date: ____ / ____ / ____
Print Name

TOWNSEND TREE
UNITS INSTALLED BY ALTEC INDUSTRIES, INC.
CREEDMOOR MANUFACTURING DIVISION
AS OF APRIL 13, 2005

	Model	Item Number	Product Number	Serial Number	Unit Serial	Vehicle Number	Status	Owner Party Name	Inspected By	Corrected By	Date
1	LRV55	099911173-	45911	027-0706904	0200CV0389	R27-706904	Converted	TOWNSEND TREE			
2	LRV58	099911175-	45510	027-0701704	0400CV0497	R27-701704	Converted	TOWNSEND TREE			
3	LRV58	099911175-	45514	027-0701803	0400CV0507		Converted	TOWNSEND TREE			
4	LRV55	099911173-	45952	027-0708701	0500CV0525		Converted	TOWNSEND TREE			
5	LRV55	099911173-	45953	027-0708702	0500CV0526		Converted	TOWNSEND TREE			
6	LRV55	099911173-	45954	027-0708703	0500CV0539		Converted	TOWNSEND TREE			
7	LRV55	099911173-	45955	027-0708704	0500CV0540		Converted	TOWNSEND TREE			
8	LRV55	099911173-	45956	027-0708705	0500CV0547	1L117	Converted	TOWNSEND TREE			
9	LRV55	099911173-	45957	027-0708706	0500CV0548		Converted	TOWNSEND TREE			
10	LRV55	099911173-	46207	027-0714518	0600CV0583		Converted	TOWNSEND TREE			
11	LRV55	099911173-	46206	027-0714517	0600CV0585	1L143	Converted	TOWNSEND TREE			
12	LRV55	099911173-	46137	027-0713402	0800CV0620		Converted	TOWNSEND TREE			
13	LRV55	099911173-	46139	027-0713404	0800CV0621		Converted	TOWNSEND TREE			
14	LRV55	099911173-	46141	027-0713406	0800CV0622		Converted	TOWNSEND TREE			
15	LRV55	099911173-	46136	027-0713401	0800CV0623		Converted	TOWNSEND TREE			
16	LRV55	099911173-	46140	027-0713405	0600CV0624		Converted	TOWNSEND TREE			
17	LRV55	099911173-	46138	027-0713403	0800CV0636	OL129	Converted	TOWNSEND TREE			
18	LRV55	099911173-	46142	027-0713407	0800CV0637		Converted	TOWNSEND TREE			
19	LRV55	099911173-	46143	027-0713408	0800CV0638		Converted	TOWNSEND TREE			
20	LRV55	099911173-	46144	027-0713409	0800CV0639		Converted	TOWNSEND TREE			
21	LRV55	099911173-	46145	027-0713410	0800CV0640		Converted	TOWNSEND TREE			
22	LRV55	099911173-	45642	027-0704415	0900CV0664		Converted	TOWNSEND TREE			
23	LRV55	099911173-	46203	027-0714514	1100CV0738		Converted	TOWNSEND TREE			
24	LRV55	099911173-	46193	027-0714504	1100CV0741	11640	Converted	TOWNSEND TREE			
25	LRV55	099911173-	46196	027-0714507	1100CV0744		Converted	TOWNSEND TREE			
26	LRV55	099911173-	46197	027-0714508	1100CV0745	1L144	Converted	TOWNSEND TREE			
27	LRV55	099911173-	46205	027-0714516	1100CV0747		Converted	TOWNSEND TREE			
28	LRV55	099911173-	46202	027-0714513	1100CV0758		Converted	TOWNSEND TREE			
29	LRV58	099911175-	46212	027-0714603	1200CV0780		Converted	TOWNSEND TREE			
30	LRV55	099911173-	46647	027-0727401	0101CV0805		Converted	TOWNSEND TREE			
31	LRV55	099911173-	46842	027-0737501	0501CV0993	2L114	Converted	TOWNSEND TREE			
32	LRV55	099911173-	46843	027-0737502	0501CV0994		Converted	TOWNSEND TREE			
33	LRV55	099911173-	46844	027-0737503	0501CV0995		Converted	TOWNSEND TREE			
34	LRV55	099911173-	46845	027-0737504	0601CV0999		Converted	TOWNSEND TREE			
35	LRV55	099911173-	46846	027-0737505	0601CV1000		Converted	TOWNSEND TREE			
36	LRV55	099911173-	46847	027-0737506	0601CV1008		Converted	TOWNSEND TREE			
37	LRV55	099911173-	46850	027-0737509	0701CV1018		Converted	TOWNSEND TREE			
38	LRV55	099911173-	46856	027-0737515	0701CV1019		Converted	TOWNSEND TREE			
39	LRV55	099911173-	46851	027-0737510	0701CV1024	2L123	Converted	TOWNSEND TREE			
40	LRV55	099911173-	46852	027-0737511	0701CV1025		Converted	TOWNSEND TREE			

TOWNSEND TREE
UNITS INSTALLED BY ALTEC INDUSTRIES, INC.
CREEDMOOR MANUFACTURING DIVISION
AS OF APRIL 13, 2005

	Model	Item Number	Product Number	Serial Number	Unit Serial	Vehicle Number	Status	Owner Party Name	Inspected By	Corrected By	Date
41	LRV55	099911173-	46853	027-0737512	0701CV1026		Converted	TOWNSEND TREE			
42	LRV55	099911173-	46848	027-0737507	0701CV1028		Converted	TOWNSEND TREE			
43	LRV55	099911173-	46849	027-0737508	0701CV1029		Converted	TOWNSEND TREE			
44	LRV55	099911173-	46857	027-0737516	0701CV1031	2L130	Converted	TOWNSEND TREE			
45	LRV55	099911173-	46854	027-0737513	0701CV1032		Converted	TOWNSEND TREE			
46	LRV55	099911173-	46855	027-0737514	0701CV1033		Converted	TOWNSEND TREE			
47	LRV55	099911173-	46858	027-0737517	0701CV1034		Converted	TOWNSEND TREE			
48	LRV55	099911173-	46859	027-0737518	0701CV1035		Converted	TOWNSEND TREE			
49	LRV55	099911173-	46861	027-0737520	0701CV1036		Converted	TOWNSEND TREE			
50	LRV55	099911173-	46860	027-0737519	0701CV1037		Converted	TOWNSEND TREE			
51	LRV55	099911173-	46863	027-0737522	0701CV1043		Converted	TOWNSEND TREE			
52	LRV55	099911173-	46862	027-0737521	0701CV1044		Converted	TOWNSEND TREE			
53	LRV55	099911173-	67272	027-0737523	0701CV1045		Converted	TOWNSEND TREE			
54	LRV55	099911173-	67273	027-0737524	0701CV1046		Converted	TOWNSEND TREE			
55	LRV55	099911173-	67274	027-0737525	0801CV1048	2L137	Converted	TOWNSEND TREE			
56	LRV55	070000600-12143	119820	027-2087417	0603CV2226		Shipped	TOWNSEND TREE			
57	LRV55	070000600-12143	119818	027-2087416	0603CV2227		Shipped	TOWNSEND TREE			
58	LRV55	070000600-12143	119803	027-2087415	0603CV2228		Shipped	TOWNSEND TREE			
59	LRV55	070000600-12143	119819	027-2087418	0603CV2229		Shipped	TOWNSEND TREE			
60	LRV55	070000600-12143	119825	027-2087419	0603CV2230		Shipped	TOWNSEND TREE			
61	LRV55	070000600-12143	119872	027-2087420	0603CV2231		Shipped	TOWNSEND TREE			
62	LRV56	070000600-25554	122691	027-2141507	0903CV2405		Shipped	TOWNSEND TREE			
63	LRV56	070000600-25554	122690	027-2141508	0903CV2406		Shipped	TOWNSEND TREE			
64	LRV56	070000600-26429	124300	027-2147314	1003CV2453		Shipped	TOWNSEND TREE			
65	LRV56	070000600-26429	124422	027-2147315	1003CV2454		Shipped	TOWNSEND TREE			
66	LRV56	070000600-26429	124303	027-2147311	1003CV2455		Shipped	TOWNSEND TREE			
67	LRV56	070000600-26429	124302	027-2147312	1003CV2456		Shipped	TOWNSEND TREE			
68	LRV56	070000600-26429	124301	027-2147313	1003CV2457		Shipped	TOWNSEND TREE			
69	LRV56	070000600-26566	127875	027-2152012	1103CV2512		Shipped	TOWNSEND TREE			
70	LRV56	070000600-27438	127237	027-2165666	1103CV2524		Shipped	TOWNSEND TREE			
71	LRV56	070000600-27438	127593	027-2165667	1203CV2536		Shipped	TOWNSEND TREE			
72	LRV60-E70	070000600-26692	129501	027-2153498	1203CV2543		Shipped	TOWNSEND TREE			
73	LRV55	070000600-27438	129054	027-2165668	1203CV2552		Shipped	TOWNSEND TREE			
74	LRV55	070000600-27438	129201	027-2165669	1203CV2553		Shipped	TOWNSEND TREE			
75	LRV55	070000600-27438	129302	027-2165670	1203CV2554		Shipped	TOWNSEND TREE			
76	LRV56	070000600-28808	130196	027-2392621	0104CV2596		Shipped	TOWNSEND TREE			
77	LRV56	070000600-28808	130195	027-2392622	0104CV2597		Shipped	TOWNSEND TREE			
78	LRV56	070000600-28808	130830	027-2392624	0104CV2598		Shipped	TOWNSEND TREE			
79	LRV56	070000600-28808	130829	027-2392623	0104CV2599		Shipped	TOWNSEND TREE			
80	LRV56	070000600-28808	130839	027-2392625	0104CV2600		Shipped	TOWNSEND TREE			

**TOWNSEND TREE
 UNITS INSTALLED BY ALTEC INDUSTRIES, INC.
 CREEDMOOR MANUFACTURING DIVISION
 AS OF APRIL 13, 2005**

	Model	Item Number	Product Number	Serial Number	Unit Serial	Vehicle Number	Status	Owner Party Name	Inspected By	Corrected By	Date
81	LRV56	70000600-28822	132252	027-2392605	0104CV2616		Shipped	TOWNSEND TREE			
82	LRV56	70000600-28822	131495	027-2392601	0104CV2617		Shipped	TOWNSEND TREE			
83	LRV56	70000600-28822	132253	027-2392604	0104CV2618		Shipped	TOWNSEND TREE			
84	LRV56	70000600-28822	131747	027-2392603	0104CV2619		Shipped	TOWNSEND TREE			
85	LRV56	70000600-28822	131746	027-2392602	0104CV2620		Shipped	TOWNSEND TREE			
86	LRV57RM	70000600-28861	132650	027-2392628	0104CV2629		Shipped	TOWNSEND TREE			
87	LRV60-E70	70000600-28100	140004	027-2264152	0404CV2844		Shipped	TOWNSEND TREE			
88	LRV56	70000600-31473	145864	027-2953822	0504CV2966		Shipped	TOWNSEND TREE			
89	LRV56	70000600-31473	145866	027-2953824	0504CV2967		Shipped	TOWNSEND TREE			
90	LRV56	70000600-31473	145865	027-2953823	0504CV2968		Shipped	TOWNSEND TREE			
91	LRV56	70000600-37273	164833	027-3925311	0105CV3493		Shipped	TOWNSEND TREE			
92	LRV56	70000600-37273	164832	027-3925310	0105CV3494		Shipped	TOWNSEND TREE			
93	LRV56	70000600-37273	164831	027-3925309	0105CV3495		Shipped	TOWNSEND TREE			
94	LRV56	70000600-37273	164830	027-3925308	0105CV3496		Shipped	TOWNSEND TREE			
95	LRV56	70000600-37273	164828	027-3925307	0105CV3497		Shipped	TOWNSEND TREE			
96	LRV56	70000600-37273	169350	027-3925312	0105CV3561		Shipped	TOWNSEND TREE			
97	LRV56	70000600-37273	169345	027-3925313	0105CV3562		Shipped	TOWNSEND TREE			
98	LRV56	70000600-37273	169352	027-3925315	0105CV3563		Shipped	TOWNSEND TREE			
99	LRV56	70000600-37273	169353	027-3925314	0205CV3567		Shipped	TOWNSEND TREE			
100	LRV56	70000600-37273	169710	027-3925316	0205CV3568		Shipped	TOWNSEND TREE			
101	LRV56	70000600-37274	170288	027-3925317	0205CV3573		Shipped	TOWNSEND TREE			
102	LRV56	70000600-37274	170293	027-3925318	0205CV3574		Shipped	TOWNSEND TREE			
103	LRV56	70000600-37274	170455	027-3925321	0205CV3575		Shipped	TOWNSEND TREE			
104	LRV56	70000600-37274	170411	027-3925320	0205CV3576		Shipped	TOWNSEND TREE			
105	LRV56	70000600-37274	170289	027-3925319	0205CV3577		Shipped	TOWNSEND TREE			
106	LRV56	70000600-37274	170462	027-3925322	0205CV3595		Shipped	TOWNSEND TREE			
107	LRV56	70000600-37274	170793	027-3925323	0205CV3596		Shipped	TOWNSEND TREE			
108	LRV56	70000600-37274	170796	027-3925324	0205CV3605		Shipped	TOWNSEND TREE			
109	LRV56	70000600-37274	170799	027-3925325	0205CV3606		Shipped	TOWNSEND TREE			
110	LRV56	70000600-37274	170801	027-3925326	0205CV3607		Shipped	TOWNSEND TREE			
111	LRV56	70000600-36722	170794	027-3812852	0305CV3623		Complete	TOWNSEND TREE			
112	LRV56	70000600-36722	170791	027-3812851	0305CV3634		Complete	TOWNSEND TREE			
113	LRV56	70000600-36720	170536	027-3812850	0305CV3635		Complete	TOWNSEND TREE			
114	LRV56	70000600-36723	171269	027-3812853	0305CV3647		Complete	TOWNSEND TREE			
115	LRV56			027-3812854	0305CV3650		Not started in	TOWNSEND TREE			
116	LRV56			027-3812856	0305CV3659		Not started in	TOWNSEND TREE			
117	LRV56	70000600-37275	170942	027-3925327	0305CV3660		Shipped	TOWNSEND TREE			
118	LRV56			027-3812857	0305CV3668		Not started in	TOWNSEND TREE			
119	LRV56	70000600-36724	171270	027-3812855	0305CV3670		Complete	TOWNSEND TREE			
120	LRV56	70000600-37275	171079	027-3925328	0305CV3671		Shipped	TOWNSEND TREE	Creedmoor	Creedmoor	11-Apr-05

**TOWNSEND TREE
 UNITS INSTALLED BY ALTEC INDUSTRIES, INC.
 CREEDMOOR MANUFACTURING DIVISION
 AS OF APRIL 13, 2005**

	Model	Item Number	Product Number	Serial Number	Unit Serial	Vehicle Number	Status	Owner Party Name	Inspected By	Corrected By	Date
121	LRV56	170000600-37275	170943	027-3925329	0305CV3672		Shipped	TOWNSEND TREE	Creedmoor	Creedmoor	11-Apr-05
122	LRV56	170000600-37275	171275	027-3925330	0305CV3673		Complete	TOWNSEND TREE	Creedmoor	Creedmoor	11-Apr-05
123	LRV56	170000600-37275	171273	027-3925331	0305CV3697		Complete	TOWNSEND TREE	Creedmoor	Creedmoor	11-Apr-05
124	LRV56	170000600-37275	171272	027-3925332	0305CV3698		Complete	TOWNSEND TREE	Creedmoor	Creedmoor	11-Apr-05
125											11-Apr-05



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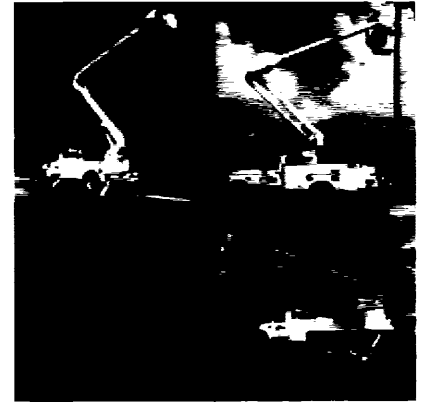
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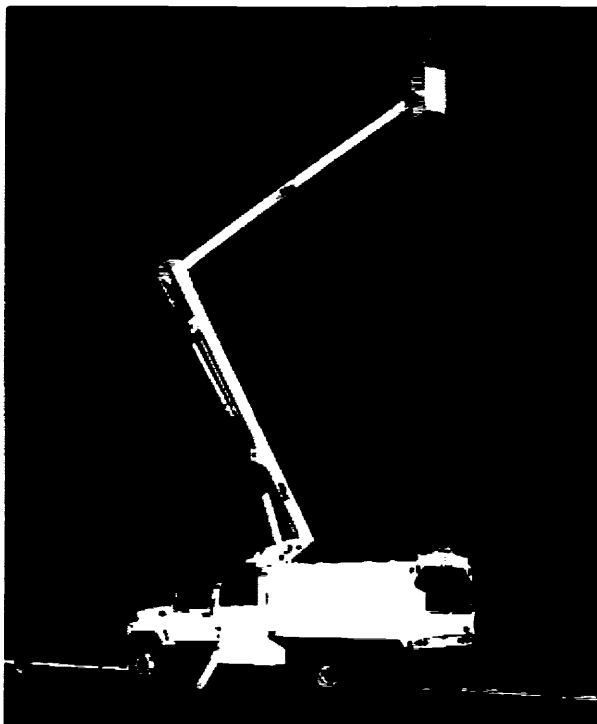
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Altec LRV55 Overcenter Aerial Device



Working Height To 60.7 ft (18.5 m)

Side Reach To 45.5 ft (13.9 m)

Platform Capacity Up To 400 lb
(181 kg)

Lifetime Structural Warranty

Superior Articulation

Simplified Design



Compact With Reduced Overhang

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