

TB 9-1801-2

WAR DEPARTMENT TECHNICAL BULLETIN

LOCATION AND INSTALLATION OF ORDNANCE MAINTENANCE SET "L" IN 2½-TON, 6 x 6 TRUCK, 144-INCH WOOD OR STEEL CARGO BODY (GMC)

Ref: TM 9-1801 Ordnance Maintenance; Power Train, Chassis and Bodies for 2½-ton, 6 x 6 Truck (GMC, CCKW-353 and 352), 10 March 1944.

War Department, Washington 25, D. C., 9 October 1944

1. DESCRIPTION.

a. The instructions contained herein are to be used as a guide to personnel charged with the installation of ordnance maintenance set "L," in 2½-ton 6 x 6 truck, 144-inch wood cargo body (GMC). It is possible that the exact equipment as listed in figure 8 may not be issued. However, the instructions will generally be correct and, in most instances, can be followed exactly as described. (See ORD 6 SNL N-21 for composition of ordnance maintenance set "L"). Should a steel cargo body be provided instead of a wood cargo body, minor corrections will have to be made locally.

NOTE: All references below to figure 8 pertain to figures 8a, 8b, and 8c, collectively. The single figure is used for the sake of brevity.

2. OPERATION.

a. Modification of Seats.

(1) On left side of truck, cut seat slats 36¼ inches from inside front of truck body (fig. 8).

(2) Remove seat latch A339795 (fig. 29) and hardware from right rear side of truck. Install latch with hardware to hold front end of seat on left side of truck, 42 inches from front of truck body.

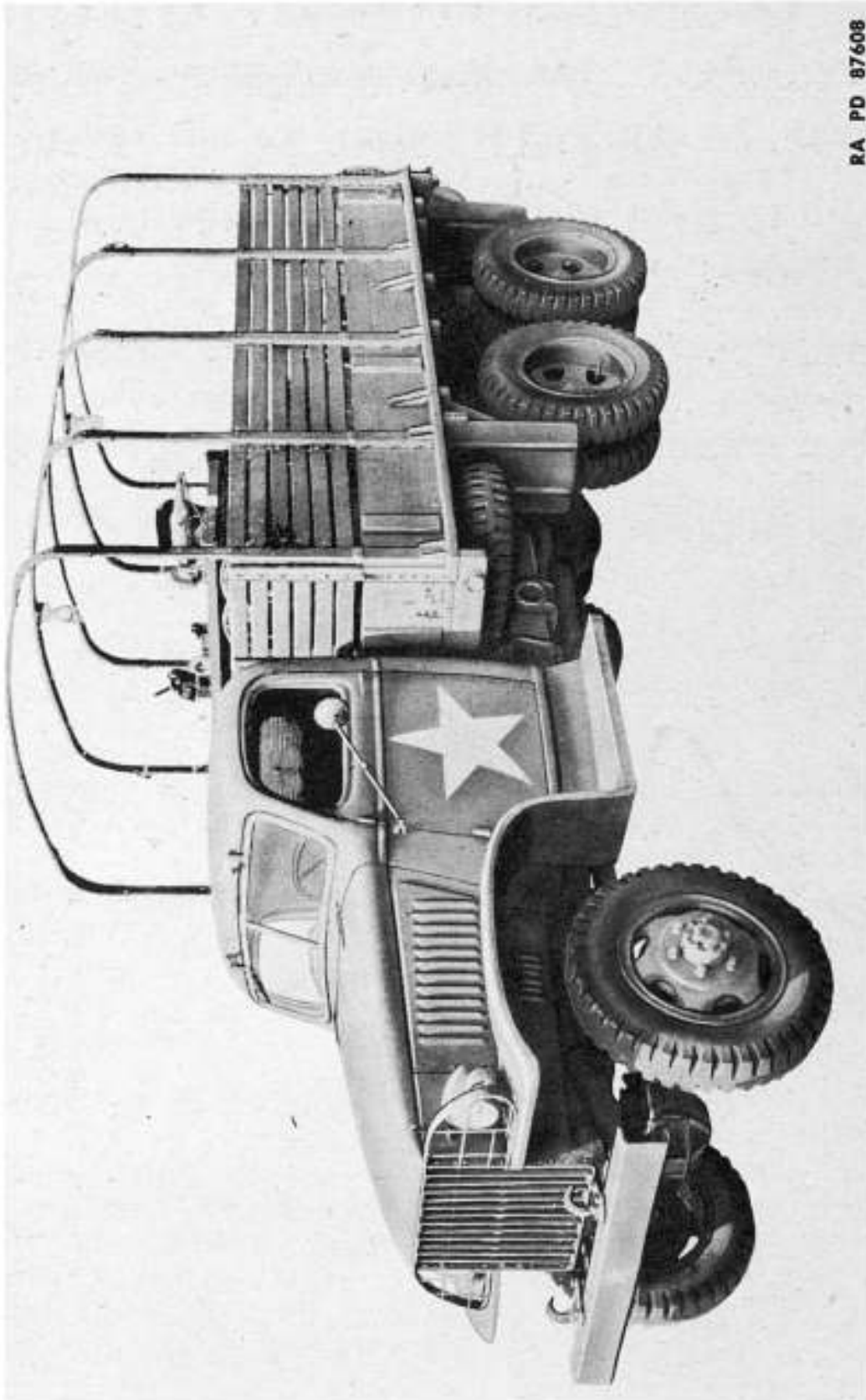
(3) Replace seat latch removed from right rear side of truck body with seat retainer strap A339769 (item 79, fig. 29). Place strap in a vertical position with the top hole over the hole left by the removed seat latch.

(4) Mark position of lower hole on the slat below, remove strap, drill one 1½-inch hole and replace strap. Fasten with two 5/16-18NC-2 x 1¾ hex-hd. cap screws, two 5/16 in. U.S. std. plain washers, two 5/16 in. reg. lock washers and two 5/16 in. reg. nuts.

(5) Remove all five seat support legs from the right side and

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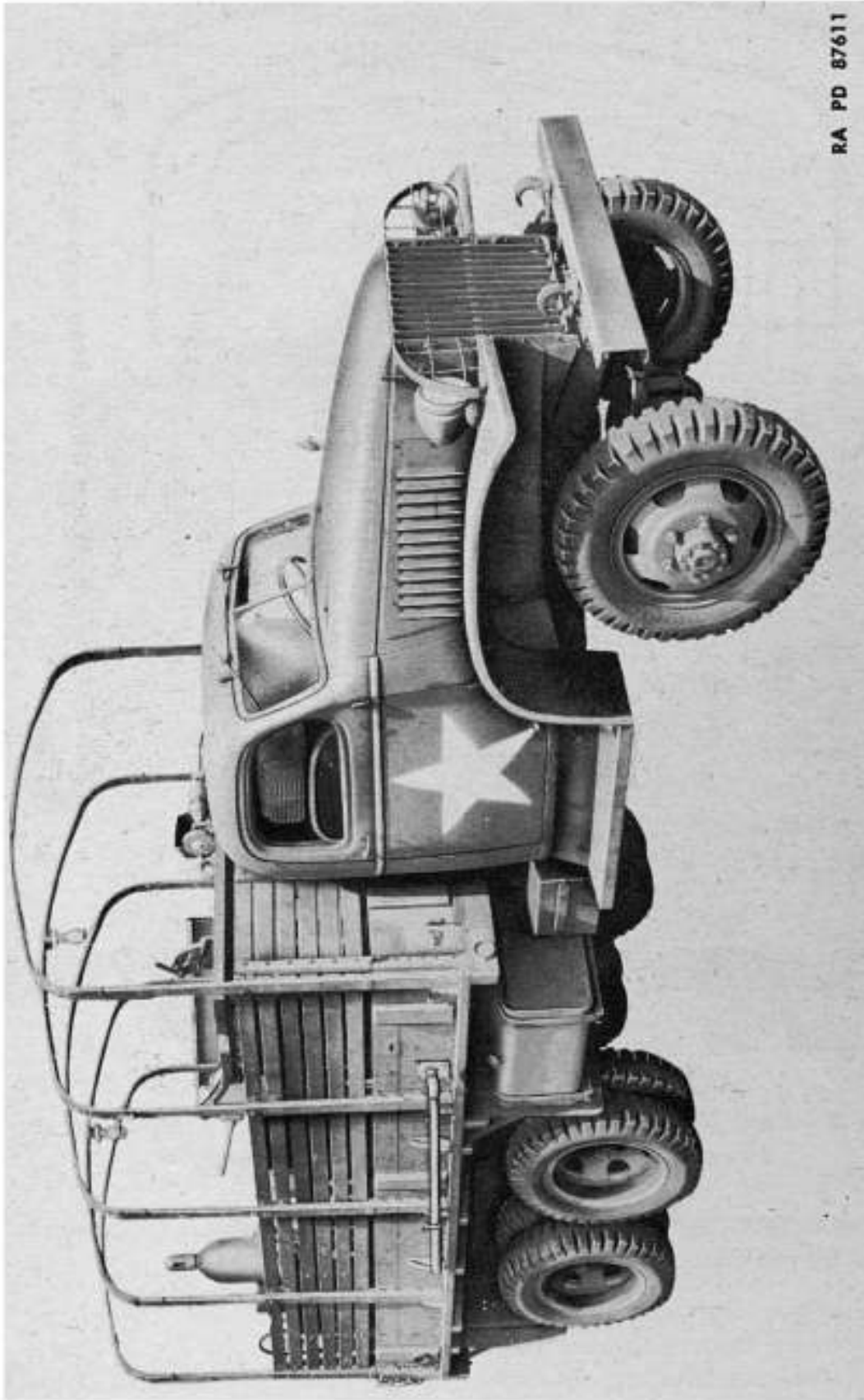
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**Figure 1 — Side View of 2½-ton, 6 x 6, 144-inch, Wood Cargo Body
With Ordnance Maintenance Set L Mounted**

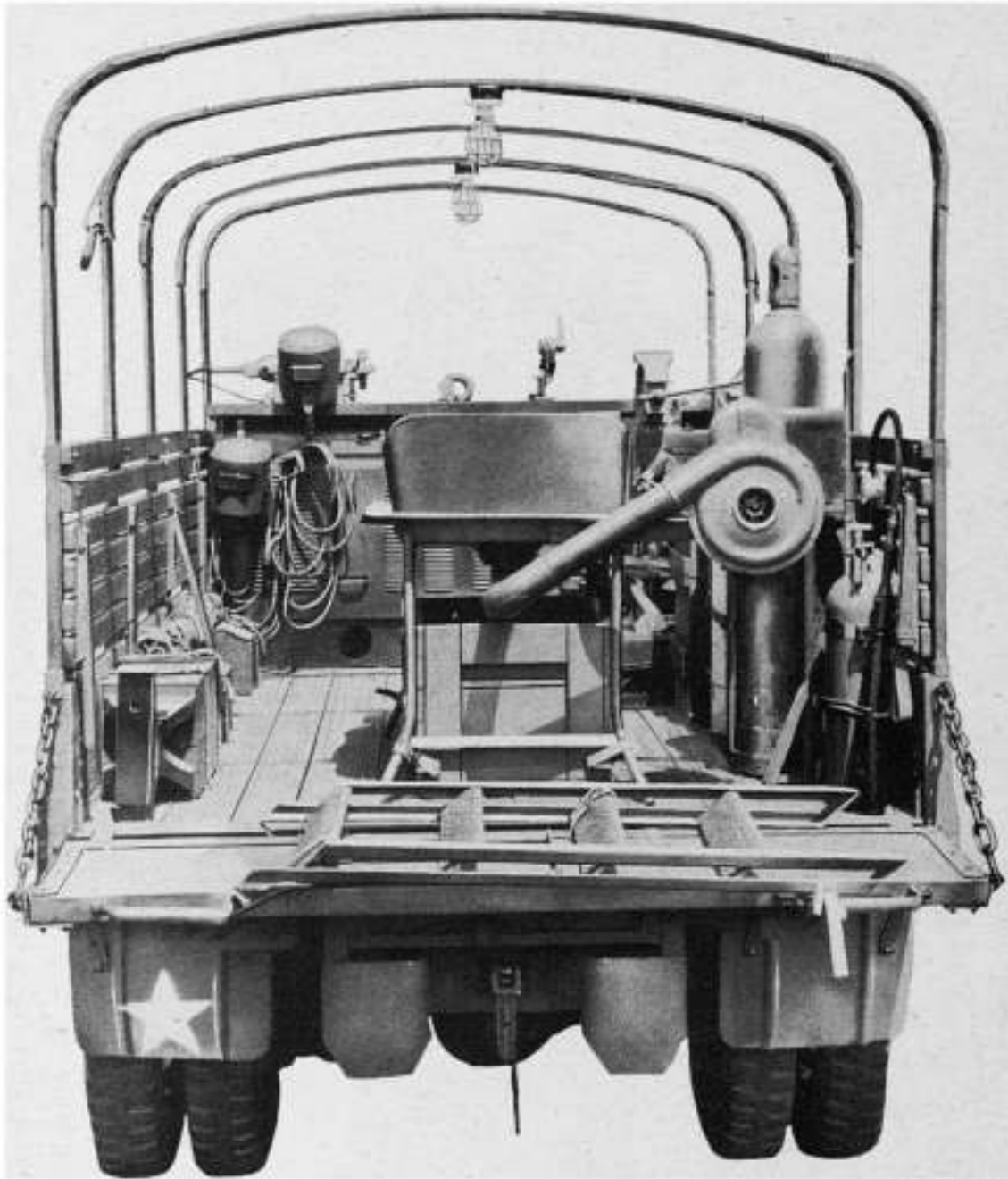
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**Figure 2 — Side View of 2 1/2-ton, 6 x 6, 144-inch, Wood Cargo Body
With Ordnance Maintenance Set L Mounted**

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Figure 3 — Rear View of Ordnance Maintenance Set L Mounted on 2½-ton, 6 x 6, 144-inch, Wood Cargo Body

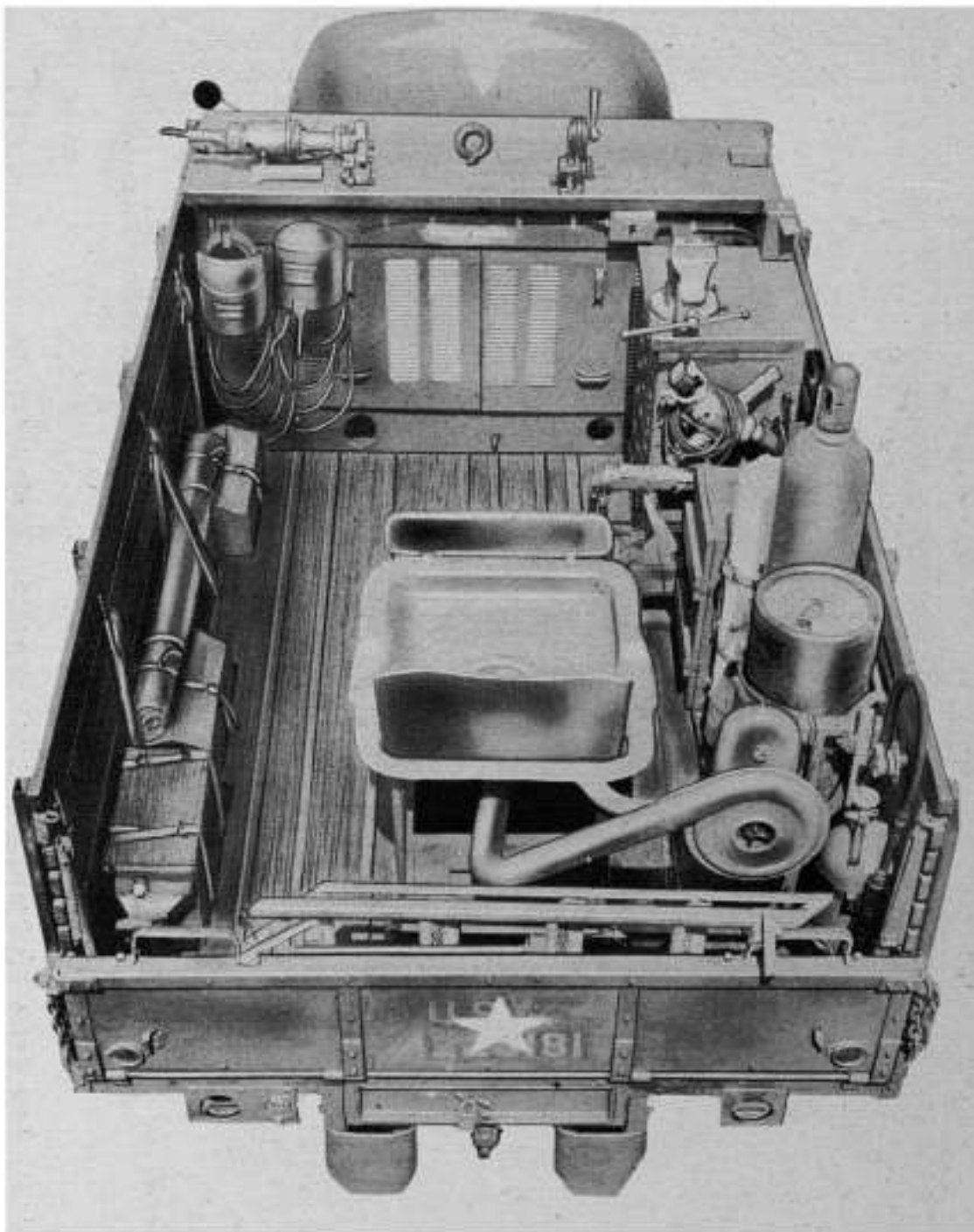
one seat support leg from the left front corner of the truck body, leaving the hinges fastened to the slats.

(6) Raise the seat and latch it upright on the left side of the truck. Place the reinforcing band B292563 (item 37, fig. 29) in a vertical position with the underside of the band $12\frac{1}{2}$ inches above the floor and with the left side of the band 36 inches from the front of the truck body.

(7) Mark position for drilling six holes, remove band, drill six $1\frac{1}{32}$ -inch holes; replace band. Fasten with $\frac{5}{16}$ -18NC-2 x $1\frac{3}{4}$ hex-hd.

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Figure 4 — Rear Top View of Ordnance Maintenance Set L Mounted on 2½-ton, 6 x 6, 144-inch, Wood Cargo Body

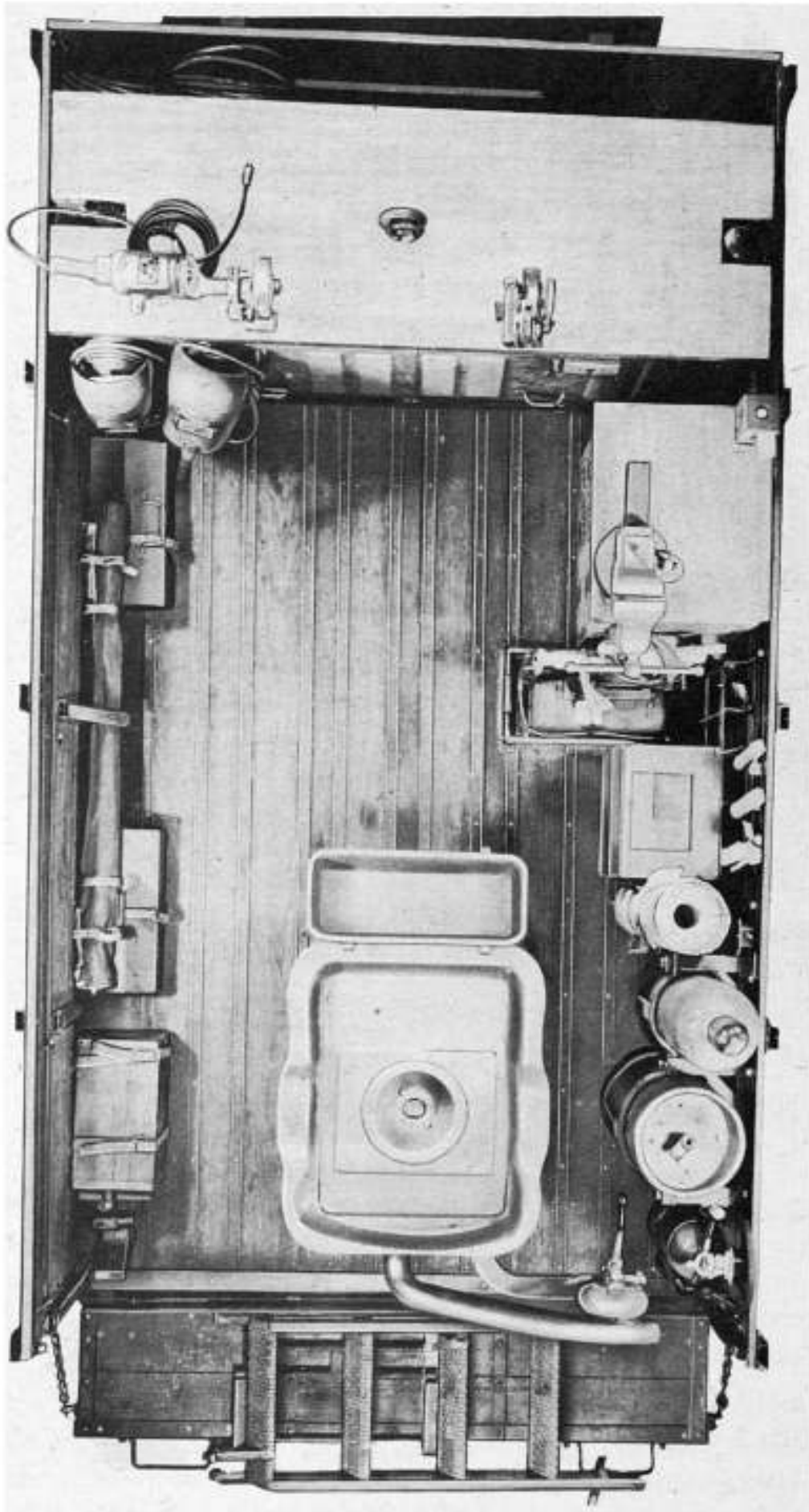
cap screws, six ½ in. U.S. std. plain washers, six ½ in. reg. lock washers and six ½ in. reg. nuts.

b. Mounting of 3 KW Welder-Generator 17-W-1715 (item 34) With Work Bench D84790 (item 5).

(1) Before placing welder-generator in truck body, fasten the four legs (fig. 9) to the work bench top, using four ⅝-18NF-2 x 1

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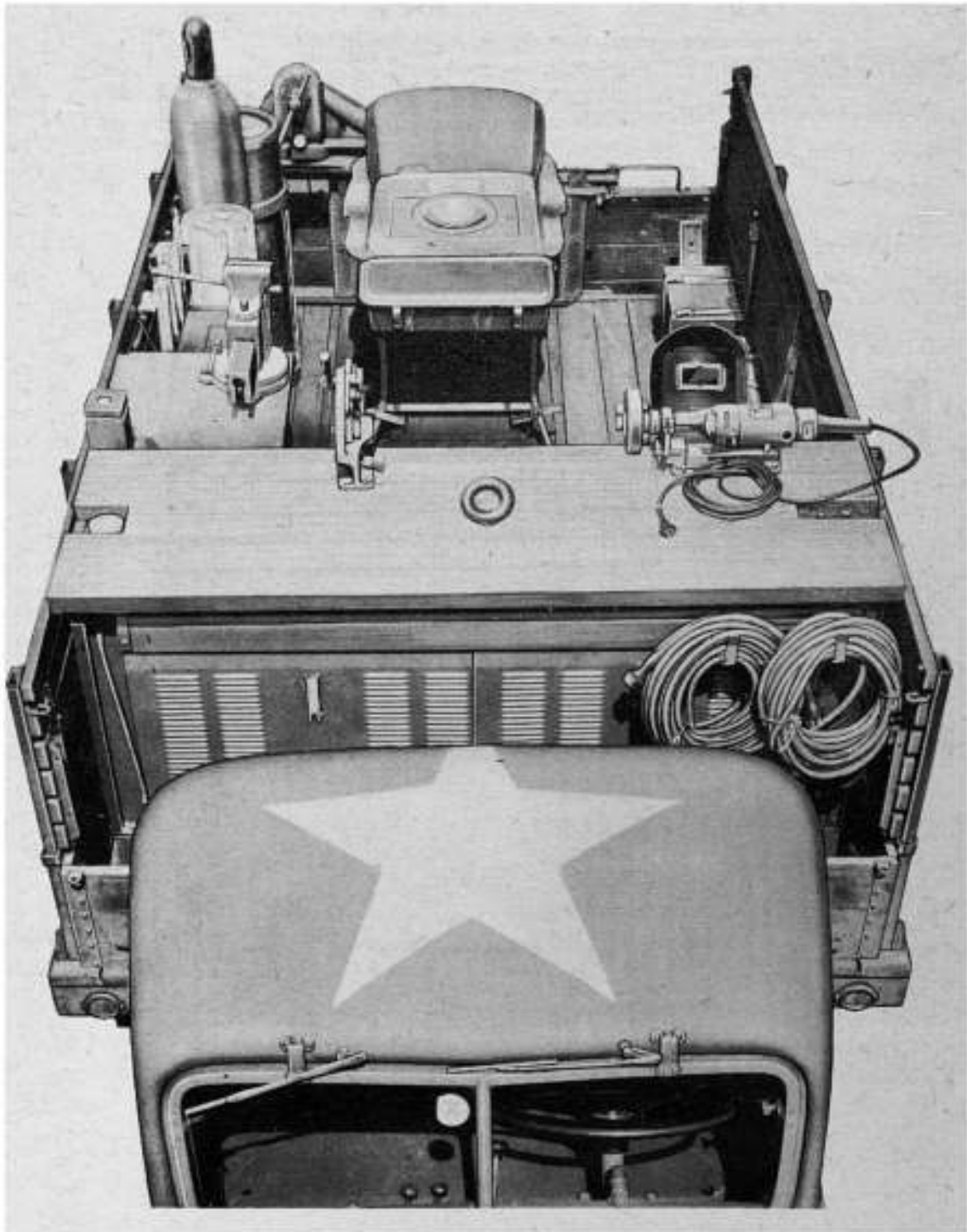
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**Figure 5 — Top View of Ordnance Maintenance Set L Mounted on
2½-ton, 6 x 6, 144-inch, Wood Cargo Body**

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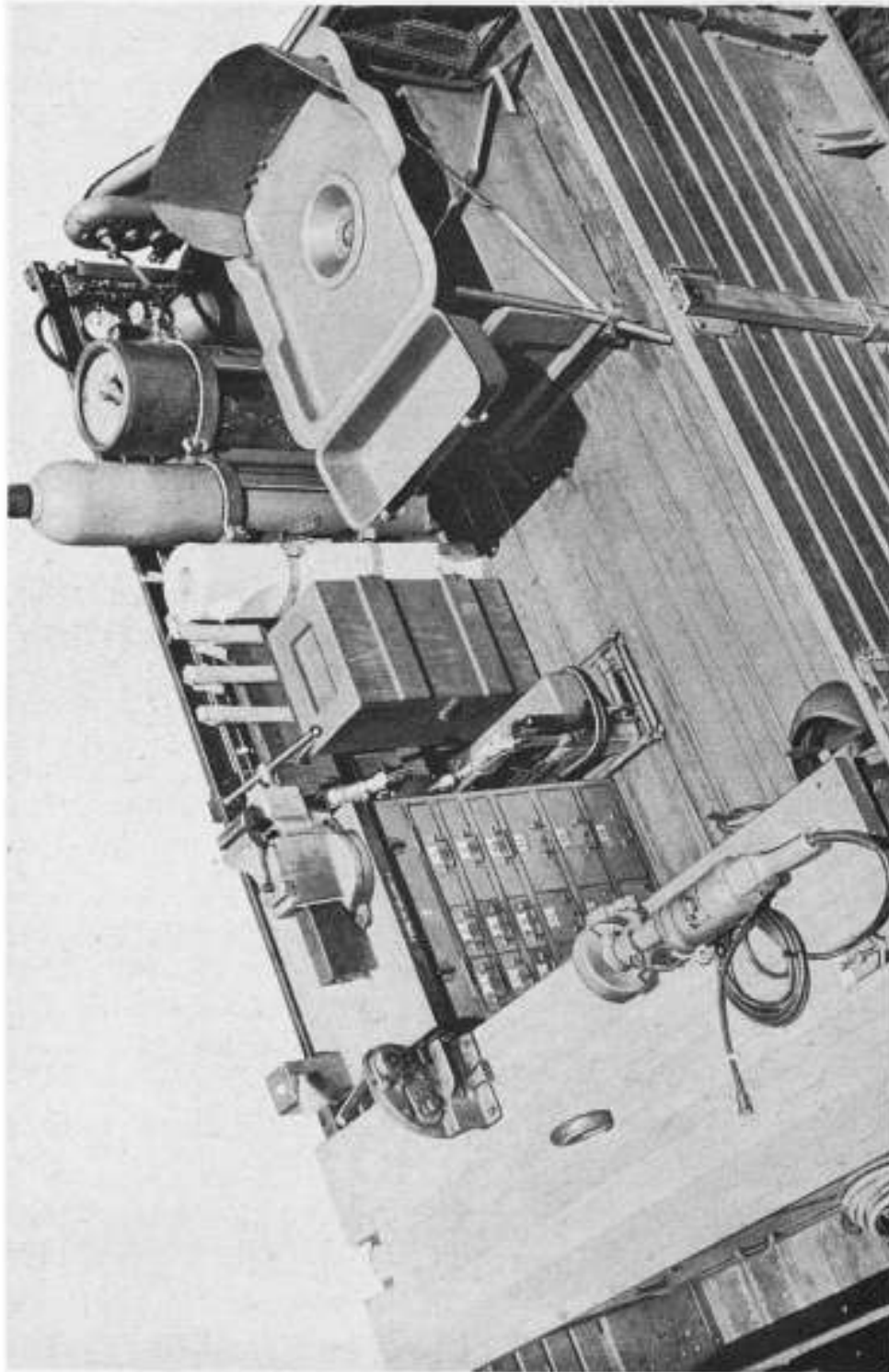
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Figure 6 — Front Top View of Ordnance Maintenance Set L Mounted on 2½-ton, 6 x 6, 144-inch, Wood Cargo Body

hex-hd. bolts, four $\frac{5}{8}$ in. reg. lock washers and four $\frac{5}{8}$ in. reg. nuts supplied with the work bench top. Fasten the two legs marked "A" on the right end of work bench that is to go over the cranking end of the welder-generator. Fasten the leg marked "B" on the left front end of the work bench. Fasten the leg marked "C" on the left rear end of the work bench. The four legs are bolted to the four corner

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**Figure 7 — Top Right View of Ordnance Maintenance Set L Mounted
on 2½-ton, 6 x 6, 144-inch, Wood Cargo Body**

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bolt holes in the two angle supports that come fastened to the work bench. Place the work bench temporarily on the welder-generator.

(2) Then, using the holes of the four legs as templates, mark the twelve fastening holes on the welder-generator. Remove work bench, drill twelve $\frac{5}{8}$ -inch holes, and replace work bench. Fasten with twelve $\frac{5}{8}$ -18NF-2 x 1 hex-hd. bolts, twelve $\frac{5}{8}$ in. reg. lock washers and twelve $\frac{5}{8}$ in. reg. nuts supplied with the work bench top.

(3) Place assembled welder-generator-bench in truck body in accordance with figures 4, 6, and 8. The welder-generator should be centered between the two sides and $9\frac{7}{8}$ inches out from the front end of the truck body.

(4) Mark position for drilling six holes, two at each end and two in center. Remove welder-generator-bench, drill the six $2\frac{1}{32}$ -inch holes and replace the welder-generator-bench. Fasten with six $\frac{5}{8}$ -11NC-1 x $4\frac{1}{2}$ sq-hd. bolts, six reinforcing plates A339765 (item 63, fig. 28) (on underside of floor, one to each bolt), six $\frac{5}{8}$ in. reg. lock washers and six $\frac{5}{8}$ in. reg. nuts.

c. Mounting of Welder-Generator Exhaust Pipe Plate A339767 (item 61, fig. 28).

(1) Note location of exhaust pipe plate in accordance with figures 8 and 10.

(2) Cut out square $3\frac{1}{2}$ x $3\frac{1}{2}$ inches in side of truck, with center line of square $27\frac{7}{8}$ inches from the front end of the truck body and $3\frac{1}{2}$ inches above the floor. Place exhaust pipe plate over the $3\frac{1}{2}$ x $3\frac{1}{2}$ -inch hole.

(3) Mark position for drilling four holes, remove plate, drill four lead holes with drill No. 31 to take the fastening screws, then replace the plate. Fasten with four No. 11 x $1\frac{1}{4}$ in. rd-hd. wood screws.

d. Mounting of Exhaust Pipe Clip B292556 (item 47, fig. 10).

(1) Note location of exhaust pipe clip in accordance with figures 8, 10, and 11.

(2) Mount exhaust pipe clip on the right outer side of truck body to the rear of the third bow socket from front of truck, using the two lowest truck body bolts.

e. Mounting and Assembly of Exhaust Pipe (item 59, fig. 10), Exhaust Pipe Elbow (item 51, fig. 10) and Exhaust Pipe Nipple (item 56, fig. 10).

(1) Note location of exhaust pipe, exhaust pipe elbow, and exhaust pipe nipple in accordance with figures 8 and 10.

(2) Insert nipple through the exhaust pipe plate A339767 (item 61, fig. 28) and screw into the welder-generator 17-W-1715 (item 34).

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ITEM QTY	NOMENCLATURE	ORD. DRAWING NO.	FED. STOCK NO.	COMMENTS
	TRUCK EQUIPMENT			
	TOOLS & EQUIPMENT			
2	1		5-A-939	
3	1		41-A-18	
4	1	G45703 D84722-D84723 D84758-D45701	41-B-440	
5	1	D84790	41-B-495-50	
6	1	G45790		
7	1	G4579		
8	1		58-B-281	
9	24	G45782	52-B-396	
10	1		41-C-2283	
11	1	G45770	57-C-8825	
12	2		17-C-35080-30	
13	2	G45728	17-C-35081	
14	3	G45726	17-C-35082	
15	1		40-D-245	MOUNT AT ANGLE TO AVOID HICKSBY
16	1		58-E-201-20	
17	1		41-F-3002	
18	1		41-F-315	
19	1	D84737	41-F-3489	
20	1		40-G-29-10	
21	2		41-K-285	
22	1	G4572	41-L-158	
23	1		52-P-360	
24	4	A339701	17-P-3725	IN DRAWER OF BENCH CABINET
25	4	A339681	17-P-3727	IN DRAWER OF BENCH CABINET
26	1	G45793	41-R-35	
27	1	D84754(BASE)	40-S-3322	
28	1	D84735	41-S-1013	
29	2	B292525	41-S-2040	IN DRAWER OF BENCH CABINET
30	1		41-S-2535	
31	1		41-S-300	
32	1		41-S-3726	
33	1		41-Y-298	
34	1		17-W-1715	
35				
36				
	ASSEMBLY MATERIAL			
37	1	B292565		KIT, ASSEMBLY MATERIAL
38	5			KIT, WIRING & FIXTURE
39	4	A339688		KIT, ASSEMBLY MATERIAL
40	1	G45968		KIT, ASSEMBLY MATERIAL
41	1	G45967		KIT, ASSEMBLY MATERIAL
42	20 P			KIT, WIRING & FIXTURE
43	16 P			KIT, WIRING & FIXTURE
44	3	G45968		KIT, ASSEMBLY MATERIAL
45	1	G45969		KIT, ASSEMBLY MATERIAL
46	4	A339713		KIT, ASSEMBLY MATERIAL
47	1	B292556		KIT, ASSEMBLY MATERIAL
48	2			KIT, WIRING & FIXTURE
49	1		5-C-3175	
50	2		5-C-3225	
51	1			KIT, HARDWARE MATERIAL
52	2			KIT, WIRING & FIXTURE
53	4	B292566		KIT, ASSEMBLY MATERIAL
54	20		34-L-1713-50	KIT, HARDWARE MATERIAL
55	3			KIT, HARDWARE MATERIAL
56	1			KIT, HARDWARE MATERIAL
57	1 SET	D84801	24-P-22-50	ATTACHED TO TRUCK FURLINS
58	10	B292589		KIT, ASSEMBLY MATERIAL
59	1			KIT, HARDWARE MATERIAL
60	1	A339764		KIT, ASSEMBLY MATERIAL
61	1	A339767		KIT, ASSEMBLY MATERIAL
62	8	A339716		KIT, ASSEMBLY MATERIAL
63	6	A339765		KIT, ASSEMBLY MATERIAL
64	2			KIT, WIRING & FIXTURE
65	2			KIT, WIRING & FIXTURE
66	1			KIT, WIRING & FIXTURE
67	1	A339771		KIT, ASSEMBLY MATERIAL
68	1	A339798		KIT, ASSEMBLY MATERIAL
69	1	B29258		KIT, ASSEMBLY MATERIAL
70	25			KIT, WIRING & FIXTURE
71	6	A339711	27-S-9904-38	
72	3	A339711	27-S-9904-38	
73	2	A339711	27-S-9904-70	
74	2	A339712	27-S-9904-34	
75	2	A339712	27-S-9904-60	
76	4	A339713	27-S-9904-156	
77	1	D84791		KIT, ASSEMBLY MATERIAL
78	1			KIT, WIRING & FIXTURE
79	1	A339769	27-S-9903-930	KIT, ASSEMBLY MATERIAL
80				
81				

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Figure 8a - Listing for Ordnance Maintenance Set L

(3) Screw the elbow on the projecting end of the nipple and leave the elbow with the open end facing toward the rear of the truck.

(4) Screw the pipe into the open end of the elbow and set the free end of the pipe in the exhaust pipe clip B292556 (item 47, fig. 11).