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to
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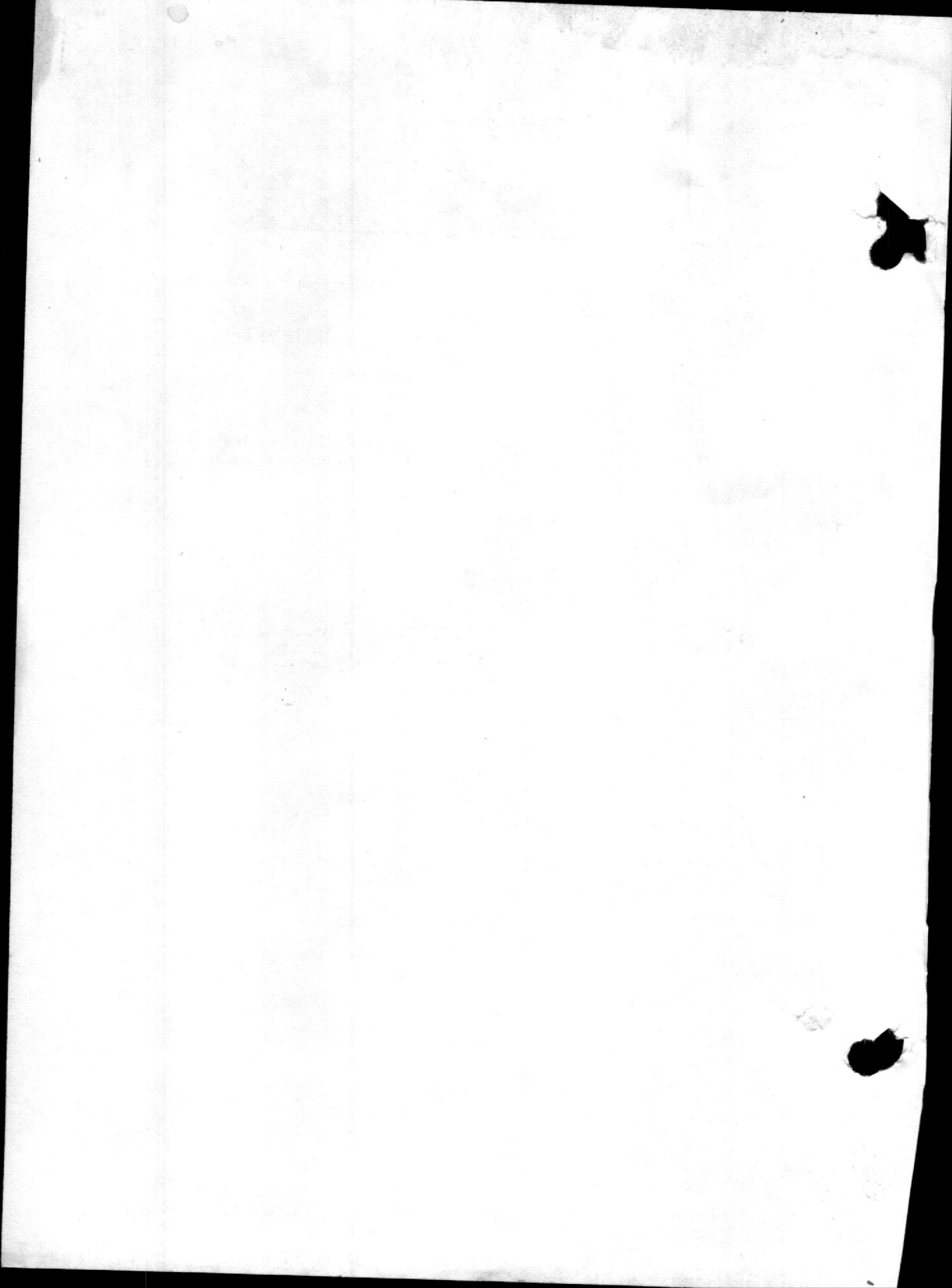
DATA BOOK OF GROUND SERVICING EQUIPMENT

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The latest publications on the above subject are: AP 119A-1000 series, AP 120H-0002-1, AP 110H-0001-1, AP 112T-0001-1; copies may be obtained through the normal channels.





A.P.4306A

AMENDMENT SECONDARY SHEET

Incorporation of an Amendment List in this publication is to be recorded by signing in the appropriate column and inserting the date of making the amendments

A.L. No.	AMENDED BY	DATE
1	Ed Aspdon ^{Sec 5 (1 to 4)} ^{Sec 2 (1 to 3)}	1.5.50
2	Ed Aspdon ^{Sec 6} ^(Items 1 to 2)	1.5.50
3	Kalagh ^{Sec 6-13}	12.7.50
4	Kalagh ^{Sec 3, 7, 8}	12.7.50
5	Bh... ^{Sec 5, 6, 7, 9}	3.1.51
6	M.Dallaway ^{Sec 3, 1, 10, 13}	26.2.51
7	Shaswell ^{Sec 2, 3, 5, 6}	17.5.51
8	K. Bough ^{Sec 2, 3, 5, 6, 7}	10.6.51
9	to Inigo ^{Sec 5, 6, 7, 9, 11}	31.1.52
10	K. Bough ^{Sec 4, 6, 11, 13}	20/3/52
11	K. Bough ^{Sec 2, 5, 6, 10, 11}	20/3/52
12	J.K. Wells ^{Index. Forward} ^{Sec 3, 4, 5, 6}	21.4.52
13	M.Dallaway ^{Sec 2, 4, 5, 6, 7}	1.8.52
14	M.Dallaway ^{Sec 3, 5, 6, 7, 10, 13}	17.11.52
15	J. Moore ^{Sec 5, 6, 7}	3.2.53
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17	J. Moore ^{Sec 5, 6, 9}	25.8.53
18	Pen... ^{Secs 3, 6 & 9}	30.12.53
19	Pen... ^{Sec 5, 6, 9 & 13}	3rd 5.54
20	H.R. Watson ^{Sec 2, 6}	19.8.54
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22	Pen... ^{Sec 5, 9, 13}	28.12.54
23	J. Moore ^{Sec 2, 3, 5, 6, 9}	28.7.55
24	M.H. Irvine ^{Sec 2, 3, 5, 6, 9, 13} ^{Sec 2, 3, 5, 6, 9, 13}	16.11.56
25	M.H. Irvine ^{Sec 2, 3, 5, 6, 9, 13}	21/3/56
26	J. Moore ^{Sec 2, 3, 5, 6, 9, 13}	15.6.56
27	Ed Bundy ^{INDEX} ^{Secs 5, 6, 7, 9}	12.10.56

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28	Ed Bundy ^{Sec 6, Sec 9 Prelims} ^{Sec 2, 3, 10, 32}	18.2.57
29	Ed Bundy ^{Sec 2, 5, 6, 7, 9, 10, 13}	20.3.57
30	H.R. Watson ^{Sec 5, 6, 7, 9, 10, 13}	24.4.57
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35	A. Maxwell ^{Secs 5, 6}	27.8.58
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37	H. Bingham ^{Sec 3, 5, 6}	16.12.58
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45	C.B. Hamsworth ^{Sec 2, 12}	24.1.61
46	J. Moore ^{Sec 5 & 6}	31.8.61
47	G. Bell ^{Sec 5, 6, 7, 9, 10, 13}	12.1.62
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* An Amendment Record Continuation Sheet (R.A.F. Form 2096B) will be required when this page is full. Order it now.

NOTE TO READERS

The subject matter of this publication may be affected by Defence Council Instructions or by 'General Orders and Modifications' leaflets in the associated publications referred to herein or even in some others. If possible, Amendment Lists are issued to correct this publication accordingly, but it is not always practicable to do so. When a D.C.I. or leaflet contradicts any portion of this publication, the D.C.I. or leaflet is to be taken as the overriding authority. Each leaf in this A.P. bears the date of issue and, when applicable, the Amendment List No. with which the leaf was issued. When it becomes necessary to revise existing text matter or provide additional information to any leaf that has been published, the leaf will be re-issued and the revision or addition, on the re-issued leaf, will be indicated by triangles positioned thus ◀——▶ to indicate the extent of the amended text and thus ▶◀ to indicate where the text has been deleted.

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SCALES OF ISSUE

It is not practicable to include scales of issue in the data for items of equipment in this publication; reference should be made to A.P.113 for the appropriate A.P. giving this information.

FOREWORD

This publication is issued as a reference book, and covers the range of ground servicing equipment which might be expected to come within the province of the Technical Officer.

It is intended to include in this data book only the briefest details of equipment, for in no sense is it the purpose of the book that it should replace the Air Publication specifically written for the equipment; nor is it to take the place of A.P.1086—Vocabulary of R.A.F. Equipment as the authority on equipment identification. Rather is it intended to summarize the information required by personnel wishing, for instance, to identify an item of equipment, learn its purpose and operational scope, or determine its air portability. Consequently, the information given on an item of equipment includes an illustration and only a brief description of it, together with its Ref. number, overall dimensions and weight, and a reference to the A.P. where full particulars can be found.

The publication is divided into Sections, and each Section contains a series of Items each giving data on a piece of equipment. The Sections correspond approximately to the Sections of A.P.1086 in content, although the section numbers differ; also, one Section in this A.P. may cover stores contained in one or more of the Sections in A.P.1086. The List of Sections at the beginning of this publication indicates clearly the relationship between the Sections in both publications.

LIST OF SECTIONS

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test, pressure, engine coolant ...	4G/3821	6	13
test, tyre pressure gauge	4G/4420140	6	29
test, winch clutch, Mk.2	4G/4420	12	15
torque wrench setting and testing, universal (0-400 ft. lb.)	4A/2239	3	25
turbine compressor washing	4G/442115	6	165
Riveter			
Runway de-icer	4C/3240	7	31
S			
Separator			
tyre, hydraulic... ..	4G/5635	6	54
tyre, screw type	4G/6269	6	147
Set, hydraulic test	4G/3430	6	12
Skates			
side tracking, Type E... ..	4GB/4235	6	95
side tracking, Type F... ..	4GB/4240	6	86
Sling			
bomb, three-legged	4L/2666	12	37
chain, barrel	4L/2571	9	29
chain, four-legged	4L/2587, 2588, 2621	9	55
chain, single leg	4L/2589	9	56
for lifting one Mk.12 compressed gas cylinder	4L/2586	9	38
lifting, E.C.U. cases... ..	4L/2815	9	32
mainplane handling, Types A and B... ..	4L/2569, 2578	9	57
power plant, universal	4GC/4232177	6	35
propeller... ..	4GC/4232191	6	116
soft eye strop	4L/2607-2611	9	52

Nomenclature	Ref. No.	Sect.	Item
Sling (continued)			
soft eye strop	4L/2612-2616, 2622	9	53
soft eye strop	4L/2617-2620, 2623	9	54
universal, for lifting cased engine change units	4L/2694	9	8
universal, for M.T. engines	16C/5489	13	29
wire rope, four-legged... ..	4L/2579-2582 2590-2595,2663 2665,2683,2781	9	51
wire rope, two-legged	4L/2596-2606	9	50
Sprayer, rust preventive	4A/719	3	4
Stand			
axle, for M.T. vehicles	LV6 MT2/4910-99- VARIOUS	13	10
electrical, power distribution	5A/4176	10	8
engine erecting, Type A	4G/1	6	68
engine erecting, radial aircraft engines, Type C	4G/2084	6	103
servicing, ejection seat	27L/1162	12	51
universal run-up, Mk.1... ..	4G/7037	6	171
Steps			
aircraft servicing (air transportable)	4G/8311	6	166
cabin access (Edghill Type 2823/HD)	4G/6962	6	149
passenger, for Transport Command aircraft	4G/6647	6	146
passenger (Edghill)	4G/8327	6	172
Sweeper			
mechanical, Type D	4C/2455	7	6
mechanical, Type G	4C/2531	7	23
mechanical, Type J	4C/3345	7	34
T			
Tackle, load securing	4L/4253453	9	68
Tank			
component washing, large	4A/1757	3	2
engine part washing, Type B	4A/1269	3	14
Tanker, water/foam liquid	4C/3165	7	43
Tensiometers			
cable, S.M.E., 3, 4 and 5	1C/6134-6136	2	16
cable, Type T.5	1C/7170-3	2	39
Tester, for No.3 Mk.3 E.M. release unit	11A/4514	12	65

Nomenclature	Ref. No.	Sect.	Item
Tongs, soldering, electric, "Stanelco"			
type	1B/5257	2	34
Tool, mandrel cropping, pneumatic ...	3AB/4660833	2	38
Tools, riveting, expander, Mk.2, Type B	1C/6542	2	29
Tools, repair, tubeless tyres ...LV6 MT2/4910-99-VARIOUS		13	33
Tow bar, Mk.1A... ..	4GB/10728	6	182
Trailers			
baggage, 20 cwt.	4DB/3131	4	21
four-wheeled, 2/3 ton capacity... ..	4D/2974	4	18
Transporter, wheel	4G/3039	6	44
Trestle			
jacking, universal... ..	4G/VARIOUS	6	66
mainplane, steady	4GB/3983	6	60
tail, Type D	4GB/2554	6	45
Trolley			
air charging, high pressure, Mk.2 ...	4G/4221	6	80
air charging, high pressure, Mk.2A, 2B	4GD/4399275,		
and 2C... ..	4399549, 4660342	6	152
air charging, single-cylinder, Mk.1A... ..	4GD/4660343	6	159
air charging, single-cylinder, Mk.2 ...	4GD/4399302	6	163
air cooling and pressure-cabin testing,			
Mk.3A	4F/2584	5	13
air cooling, Mk.1	4F/1785	5	20
air cooling, Mk.2 and 2B... ..	4F/1912, 5191	5	27
air cooling, Mk.2A and 2C	4F/2002, 5221	5	31
air cooling, Mk.3C... ..	4F/6237	5	82
air cooling, Mk.3D... ..	4F/5606	5	75
air cooling, Mk.5 and 5A... ..	4F/2396, 3362	5	52
air starting, low pressure, Mk.12 and			
12A	4F/5272, 6494	5	7
air starting, low pressure, Mk.4 ...	4F/3235	5	63
air starting, low pressure, Mk.10 ...	4F/3962	5	6
air starting, low pressure, Mk.11 ...	4FA/4637373	5	19
air supply, Mk.2	4F/2196	5	40
air supply, Mk.3	4F/3998	5	68
air supply, Mk.4	4F/2376	5	62
aircraft cleaning	4G/3591	6	47
aircraft defrosting plant, power-operated	4G/4856	6	125
aircraft heating (4 therm/hour), Mk.1			
and 2	4F/4491, 5443	5	79
bomb, loading, Canberra, Mk.1 and Mk.2	26FZ/95069,		
	95111	12	18
bomb, Type F... ..	4G/2668	12	8
bomb, Type J, Mk.1 and 2... ..	76R/219, 235	12	69
can, fluid replenishing	4G/5371	6	128
compressor, air, Type L, Mk.1, 2 and 2A	4F/1500, 1693		
	1783	5	2

Nomenclature	Ref. No.	Sect.	Item
Trolley (continued)			
coolant, replenishment	4GD/4399011	6	76
de-icing fluid replenishment	4GD/4399059	6	76
engine change unit servicing, Mk.2 ...	4G/4858	6	78
fire extinguisher, CO ₂ , aircraft servicing	4G/6724	6	139
fuel replenishment	4GD/4399288	6	141
ground heating, non-toxic, Mk.4 ...	4F/4401	5	46
handling, multi-purpose (Naval) ...	4G/6711	6	136
hydrant MH2... ..	4K/4099	7	48
jack transporting, Mk.4... ..	4Q/4230856	9	42
liquid oxygen replenishment, 75 litres capacity Mk.1 and 2	71AA/1,3,64,65	5	72
liquid oxygen replenishment, 185 litres capacity	71AA/2	5	73
mobile fuel blending Mk.2 and Mk.3 ...	4K/3444,4637	7	36
nitrogen charging, Mk.1... ..	4G/4272	6	80
nitrogen charging, Mk.1B	4G/6735	6	138
nitrogen charging, single cylinder ...	4G/6259	6	158
nitrogen charging, 2 cylinder, light-weight	4GD/10669	6	183
nitrogen charging, four cylinder, Mk.1A	4GD/4399300	6	170
nitrogen charging, four cylinder, Mk.2 and 2A	4G/8362,8654	6	174
oil replenishment... ..	4GD/4399014	6	76
oil system flushing	4G/3980	6	5
oxygen charging, Mk.2	4GD/4399012	6	130
platform	4D/223	4	11
platform, aircraft servicing, G.P. ...	4F/4659680	5	37
pressure-cabin testing, Mk.1C... ..	4F/1714	5	9
pressure-cabin testing, Mk.2	4F/2541	5	51
refrigerant replenishment	4G/9261	6	175
refrigerant replenishment - nitrogen pressurised... ..	4G/9085	6	176
salvage, main, 75 ton (air transportable)	4F/4424	5	76
salvage, main, Type C	4GB/3732	6	49
salvage, nose, 15 ton	4F/2303,4425	5	49
salvage, Tracjac	4Q/2332	9	25
servicing, aircraft toilet, Mk.3 ...	4F/2344	5	38
servicing, aircraft toilet, Mk.4B ...	4F/3083	5	56
servicing, bomb carrier, Type A ...	4G/6234	12	74
servicing, Hunter gun package ...	26FX/95038	12	29
servicing, hydraulic, Mk.1 and Mk.1B	4F/172,1806	5	3
servicing, hydraulic, Mk.2A, 2B and 2C	4F/1796,2345,2375	5	25
servicing, hydraulic, Mk.2D	4F/3229	5	57
servicing, hydraulic, Mk.2E	4F/3818	5	65
servicing, hydraulic, Mk.2G	4F/4578	5	8

Nomenclature	Ref. No.	Sect.	Item
Trolley (continued)			
servicing, hydraulic, Mk.3	4F/3603	5	55
servicing, hydraulic, Mk.4A, 4B and 4C	4F/3150,3551	5	53
servicing, hydraulic, Mk.4D	4F/7167	5	83
servicing, hydraulic, Mk.5B, 5C and 5D	4F/3819,4279		
	4933	5	69
servicing, hydraulic, Mk.6B and 6C...	26VC/95487,		
	95486	5	4
servicing, hydraulic, Mk.5E	4F/7038	5	81
servicing, hydraulic, miniature, Mk.1B			
and 1C	4F/3909,3910	5	59
servicing, pneumatic, low-pressure, Mk.1	4F/36	5	5
servicing, pneumatic, low-pressure,			
Mk.1B	4F/1805	5	26
servicing, pneumatic, low-pressure, Mk.2	4F/1724	5	11
servicing, water/glycol	4G/8655	5	77
stowage, for engine and power plant			
cowlings	4G/4042	6	27
testing, instrument and automatic pilot,			
Mk.1A and 1B	4F/1715,1856	5	10
transporting, gun package	4G/5561	12	35
water/methanol replenishment, Mk.1...	4GD/4399058	6	76
water/methanol replenishment, Mk.2...	4G/8346	6	167
Truck			
cylinder, gas welding	4A/1315	3	22
elevating platform, Type A	4D/1020	4	2
elevating platform, Type B	4D/2021	4	4
fork-lift, pedestrian operated	4D/2770	4	15
fork-lift, 560 lb. pedestrian operated,			
Type A	4D/3458	4	24
U			
Unit			
foam dispenser	4C/3166	7	42
oxygen charging	4G/5721	6	90
pressure, regulating	6D/2351	6	155
servicing, M.T. hydraulic brakes	16C/6290	13	1
packa greasing	(Naval) 0274/		
	274014	2	40
V			
Vulcaniser, Stenor, Dart model	16C/6583	13	5
W			
Welder, spot, electric, hand	4A/2315	3	28
Wheels, transportation (for 10, 15 and 25			
ton four-legged jacks)... ..	4Q/2614,2615	9	24

Nomenclature	Ref. No.	Sect.	Item
Winch			
bomb, 1,000 lb.	4GA/3246	12	5
bomb, 2,000 lb.	4G/2331	12	20
bomb, 4,000 lb.	4GA/2348	12	6
M.3 Skyclimber	4T/6909	6	178

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