

ACC

ACR/16A

10000/140/2550

MAIN
JAN. 19

10000/145/2550

MAINTENANCE
JUN. 1944-JAN. 1946

HEADQUARTERS ALLIED COMMISSION
APO 394
Super Garage

ac 16/Tms.
File

SG-720

10th of January, 1946

SUBJECT: Vehicle Maintenance Return.

TO : Transportation Sub-Commission,
Headquarters Allied Commission.

1. Reference AC/R/16/Tn 5, dated 6 February, 1945.
2. Attached are returns comprising American and British maintenance in this garage, for the month of December, 1945.
3. Request this office be notified whether or not the attached reports will be required in the future.

Arthur M McPhail Capt. C.M.P.
ARTHUR M. McPHAIL,
Capt., C.M.P.,
Motor Transp. Officer

Discontinue

2 Incls
as above

c.c. to Hq. Comdt.

4628

MONTHLY MAINTENANCE REPORT

REGION: Hq. Allied Commission - Super Garage - MTO (A)

MONTH ENDING:

1	2	3	4	5	6	7	8	9	10
DESIGNATION OF TRUCK POOL	No. OF VEHICLES HELD ON CHARGE	WHETHER CIVIL- IAN SUP- PLIES OR DOMESTIC VEHICLES	WHETHER TRAN- SPORTATION SUB-COMMIS- SION MAINT? IN- STRUCTION No 1 IN OPERATION	IF NOT STATE REASONS	No. OF VEHICLES INSPECTED 3 TIMES DURING THE MONTH	No. OF VEHICLES INSPECTED TWICE DURING THE MONTH	No. OF VEHICLES INSPECTED ONLY ONCE DURING THE MONTH	REMARKS	No. OF VEHICLE V.O.R. FOR WA OF TIR OR TUB
Headquarters Allied Commission (Super Garage)	WD Veh: 133 Civ. Veh: 152 Att WD Veh: 125	Domestic	No	1. Proven unsuit- able for Hq. Trans. (A) 2. Am. Army Regulat- ions & Directives are being followed	54%	71%	86%	None	None

4637

MONTHLY MAINTENANCE REPORT

Assignment - Super Garage - MTO (A)

MONTH ENDING: 31 December, 1945.

	4	5	6	7	8	9	10	11	12
	OTHER WHETHER TRAN- SPORTATION IF SUP- SUB-COMMIS- SION MAINT? IN- STRUCTION No. 1 VEHICLES IN OPERATION VEHICLES	NOT STATE REASONS	No. OF VEHICLES INSPECTED 3 TIMES DURING THE MONTH	No. OF VEHICLES INSPECTED TWICE DURING THE MONTH	No. OF VEHICLES INSPECTED ONLY ONCE DURING THE MONTH	REMARKS	No. OF VEHICLES V.O.R. FOR WANT OF TIRES OR TUBES	DATE OF LAST INDENT TO G-4 STORES FOR TIRES OR TUBES	No. OF VEHICLES AWAITING REPAIRS OUTSIDE THE SCOPE OF THE POOL WORKSHOPS
Domestic	No	1.Proven unsuit- able for Hq.Trans. (A) 2.Am.Army Regulat- ions & Directives are being followed	54%	71%	86%	None	None	Req. direct from Ord.	None

LC97

4697

MONTHLY MAINTENANCE REPORT

REGION : HQ Allied Commission British Motor Pool

MONTH ENDING

1 DESIGNATION OF TRUCK POOL	2 No OF VEHICLES HELD ON CHARGE	3 WHETHER CIVILIAN SUPPLIES OR DOMESTIC VEHICLES	4 WHETHER TRANSPORT ATION SUB-COMM- MISSION MAINT. INSTRUCTION No 1 IN OPERATION	5 IF NOT STATE REASONS	6 No OF VEHICLES INSPECTED 3 TIMES DURING THE MONTH	7 No OF VEHICLES INSPECTED TWICE DURING THE MONTH	8 No OF VEHICLES INSPECTED ONLY ONCE DURING THE MONTH	9 REMARKS	10 No VEH V.6 FOR MAN TYR OR TUB
Headquarters Allied Commission (Supergarage)	WD Veks. 65 M/Cycles 14	Domestic	NO	1.Proven not suitable for this HQ(B) Transport. 2.British task system in operation.	NIL	77%	33%	None	1

4696

MONTHLY MAINTENANCE REPORT

MONTH ENDING : 31 December 1945

British Motor Pool

	4 WHETHER TRANSPORT ATION SUB-COM- MISSION MAINT. INSTRUCTION No 1 IN OPERATION	5 IF NOT STATE REASONS	6 No OF VEHICLES ISPECTED 3 TIMES DURING THE MONTH	7 No OF VEHICLES INSPECTED TWICE DURING THE MONTH	8 No OF VEHICLES INSPECTED ONLY ONCE DURING THE MONTH	9 REMARKS	10 No OF VEHICLES V.O.R. FOR WANT OF TYRES OR TUBES	11 DATE OF LAST INDENT TO G-4 STORES FOR TYRES OR TUBES	12 No OF VEHICLES AWAITING REPAIRS OUTSIDE THE SCOPE OF THE POOL WORKSHOPS
10	NO	1. Proven not suitable for this HQ(B) Transport. 2. British task system in operation.	NIL	77%	33%	None	1	21 Dec. 45	None

4697

No. 785021

Abstract

HEADQUARTERS ALLIED COMMISSION

APC 394

Transportation Sub-Commission

30 Dec., 1944.

TO : Col. James J. Carnes,
Deputy Director
Transportation Sub-Commission

SUBJECT : A.C. Requisition for Higher Echelon Tools and Equipment.

With reference to letter from Lt. Col. G. S. Franklin, R.C.A.S.G., Economics and Supply Division, AFHQ to Col. Butterworth, re., requisition for tools, a consolidated report and requisition is now submitted. This includes tools necessary to maintain the 1,700 vehicles which are due to arrive in the next two or three months and those for the 3,000 vehicles which have been asked for, North Western Italy.

1. BASIC Items suggested on this requisition are based on the results of a survey of buildings and equipment suitable for higher echelon, maintenance in Southern, Rome and Northern Area.

2. FINDINGS OF SURVEY TEAM

(A) Vehicle Distribution

Southern Area H.Q. Naples

The approximate number of vehicles, American and British, at present employed in this Area is 600 but this number varies owing to several reasons, namely, seasonal requirements, crops, road construction etc., those vehicles being temporarily transferred from other regions.

Rome Area.

H.Q. Rome, Regions 4 and 5

The approximate number of British and American military vehicles in these Regions is 700. This number also varies as in the Southern Area.

Northern Area

Regions 8, 9, 11, 12. Liguria, Piemonte

The number to date in these Regions of British and American military vehicles is 415. This number will be greatly increased by the 1,700 vehicles which are expected to arrive in the near future and again by the addition of 3,000 vehicles which have been requested for North Western Italy.

4603

With reference to letter from Lt.Col.G.S.Franklin, R.C.A.S.C., Economics and Supply Division, AFHQ to Col.Butterworth, re., requisition for tools, a consolidated report and requisition is now submitted. This includes tools necessary to maintain the 1,700 vehicles which are due to arrive in the next two or three months and those for the 3,000 vehicles which have been asked for, North Western Italy.

1. BABIS Items suggested on this requisition are based on the results of a survey of buildings and equipment suitable for higher echelon, maintenance in Southern, Rome and Northern Area.

2. FINDINGS OF SURVEY TEAM

(A) Vehicle Distribution

Southern Area H.Q. Naples

The approximate number of vehicles, American and British, at present employed in this Area is 600 but this number varies owing to several reasons, namely, seasonal requirements, crops, road construction etc., those vehicles being temporarily transferred from other regions.

Rome Area.

H.Q.Rome, Regions 4 and 5

The approximate number of British and American military vehicles in these Regions is 750. This number also varies as in the Southern Area.

Northern Area

Regions E, F, I, L, S, Liguria, Piemonte

The number to date in these Regions of British and American military vehicles is 415. This number will be greatly increased by the 1,700 vehicles which are expected to arrive in the near future and again by the addition of 3,000 vehicles which have been requested for North Western Italy.

(B) Vehicle Maintenance

At present first and second Echelon Maintenance is being carried out by A.C. Regional Garages, Higher Echelon on Civilian Vehicles occasionally on military vehicles by civilian garages.

Higher Echelon repairs on military vehicles are being done by American Ordnance and H.E.M.E. Workshops.

A preventative maintenance programme which is a combination of American and British maintenance procedure has been instituted by Allied Commission. This programme includes an inspection of vehicle every tenth day.

The Allied Commission at present does not have the tools and equipment to perform all of their higher echelon

3. RECOMMENDATIONS

(A) That the first and second echelon work on military vehicles be accomplished at the established Provincial Garages, with emergency major unit replacement and repair as directed by the Regional Transport Officer. This to be carried out in garages with adequate personnel and equipment. Some additional equipment and hand tools will be necessary at certain of these garages.

(B) It is recommended that heavy repair shops be established to which will be evacuated all repairs beyond the scope of the Provincial Garages.

(C) Since heavy repairs on A.C. military vehicles are at present being carried out by military workshops additional equipment will be required by Allied Commission to take over the entire maintenance of all their vehicles. It has been found that the existing civilian facilities are only adequate for the maintenance of civilian vehicles. The load on these civilian shops is becoming increasingly heavy owing to the supply of spare parts being almost exhausted and replacements not obtainable due to the fact that the factories are still in enemy hands.

Southern Area

(A) It is recommended that a third echelon shop or the British equivalent be established and equipped in Naples for the Southern Area.

(B) It is suggested that the U.T.O. Motor Pool Garage, 35-38 Brindisi Street be used for the purpose. This location consists of three buildings with a total of 30,000 sq. feet of floor space. The buildings are in good condition and very suitable for the purpose.

Rome Area

(A) It is recommended that a third and fourth echelon or Base shop be established in Rome.

(B) To carry out this plan it would be necessary to furnish the Allied Commission with the equipment for a third and fourth echelon or Base shop and also the initial stock of Major Assemblies for exchange purposes until such time as the Base shop had built up a supply.

(C) The shop recommended for Rome Area is the Fiat Garage, Via Porta Maggiore. This garage is well equipped but requires the additional equipments as recommended, has good workshop personnel, the buildings have been partly damaged but are now under repair.

(D) In Region 5 Allied Commission Garages were inspected and found to have adequate space and personnel capable of second echelon repair. All of these garages are urgently in need of hand tools and second echelon equipment.

(E) It is recommended in addition to the lower echelon equipment that three of these garages be given some additional higher echelon equipment to enable them to perform "In vehicle overhaul".

(C) Since heavy repairs on A.O. Military vehicles are at present being carried out by military workshops additional equipment will be required by Allied Commission to take over the entire maintenance of all their vehicles. It has been found that the existing civilian facilities are only adequate for the maintenance of civilian vehicles. The load on these civilian shops is becoming increasingly heavy owing to the supply of spare parts being almost exhausted and replacements not obtainable due to the fact that the factories are still in enemy hands.

Southern Area

(A) It is recommended that a third echelon shop or the British equivalent be established and equipped in Naples for the Southern Area.

(B) It is suggested that the U.T.C. Motor Pool Garage, 55-58 Brindisi Street be used for the purpose. This location consists of three buildings with a total of 30,000 sq. feet of floor space. The buildings are in good condition and very suitable for the purpose.

Rome Area

(A) It is recommended that a third and fifth echelon or Base shop be established in Rome.

(B) To carry out this plan it would be necessary to furnish the Allied Commission with the equipment for a third and fifth echelon or Base shop and also the initial stock of Major Assemblies for exchange purposes until such time as the Base shop had built up a supply.

(C) The shop recommended for Rome Area is the Fiat Garage, Via Porta Maggiore. This Garage is well equipped but requires the additional equipments as recommended, has good workshop personnel, the buildings have been partly damaged but are now under repair.

(D) In Region 5 Allied Commission Garages were inspected and found to have adequate space and personnel capable of second echelon repair. All of these Garages are urgently in need of hand tools and second echelon equipment.

(E) It is recommended in addition to the lower echelon equipment that three of these Garages be given some additional higher echelon equipment to enable them to perform "In vehicle overhaul".

(F) It is suggested that these shops be located at the Truck Pool Garages at Pescara, Ascoli and Macerata.

Northern Area

(A) Due to the concentration of Army units in this Area the existing facilities are being utilised by the Armies.

(B) The S.I.F.A. Garage in Florence is now being used for the repair of Allied Commission vehicles. This garage is small but reasonably well equipped and except for a few items, is capable of higher echelon maintenance on a very limited number of vehicles. The area of the building is approximately 10,000 sq. ft. and with no adjacent parking space for disabled vehicles.

(C) The Fiat Works at Florence, if it were available, for A.C. use, would be a very suitable building for the carrying out of future higher echelon maintenance in this Region.

(D) It is recommended that another Fourth Echelon Set, No. 2 be requisitioned to maintain the 3,000 vehicles which have been asked for, for North Western Italy.

4. RECOVERY

(A) At the present the only vehicles that Allied Commission have for recovery purposes are three 3 1/2 ton 6 x 6 G.M.C. trucks equipped with Second Echelon Set No. 7 Barrel Hoist and Superstructure.

These vehicles are not capable of recovering the heavy trucks or lighter trucks when loaded. British and American Army shops are called upon for heavy duty wrecker service to supplement the existing A.C. equipment.

(B) It is recommended that at least four 6 x 6 - 4 ton Diamond T Wreckers or Tractors Six-wheeled Brackdown be supplied. These to be located at the third and fourth echelon workshops.

5. REQUISITION

This requisition is based on the American Ordnance Catalogue ORDE. GML C-27 a comparative list showing British Ordnance equivalents will be rendered in the near future.

D. T. D. Bruce
D.T.D. BRUCE, MAJOR R.A.M.B.
TRANSPORTATION SUB-COMMISSION
ALLIED COMMISSION
2633

(5) It is recommended that 3,000 vehicles which have been asked for, requisitioned to maintain the 3,000 vehicles which have been asked for, for North Western Italy.

4. RECOVERY

(A) At the present the only vehicles that Allied Commission have for recovery purposes are three 3 1/2 ton 6 x 6 G.M.C. trucks equipped with Second Echelon Set No. 7 Barral Hoist and Superstructure.

These vehicles are not capable of recovering the heavy trucks or lighter trucks when loaded. British and American Army shops are called upon for heavy duty wrecker service to supplement the existing A.O. equipment.

(B) It is recommended that at least four 6 x 6 - 4 ton Diamond Wreckers or Tractors Six-wheeled Brackdown be supplied. These to be located at the third and fourth echelon workshops.

5. REQUISITION

This requisition is based on the American Ordnance Catalogue ORDS. SKL G-27 a comparative list showing British Ordnance equivalents will be rendered in the near future.

D. T. D. Bruce Major

D. T. D. BRUCE, MAJOR R. E. M. E.
TRANSPORTATION SUB-COMMISSION
ALLIED COMMISSION
4633

R E G I O N

UNIT REQUIRED

REQUISITION
ARTICLESSTOCK
No

STOCK No	REQUISITION ARTICLES	UNIT REQUIRED	UNIT REQUIRED	R E G I O N
41-T-3547	Tool Set Unit Equipment	EA	2	Rome and Naples
- 10	3rd Echelon Set No 1	EA	1	Rome
41-T-3549	Tool Set Unit Equipment	EA	1	Region V
	5th Echelon Set No 1	EA	3	Region V
41-T-3545	Tool Set 2nd Echelon No 2	EA	2	Region V
-11		EA	2	Region V
41-T-3548	Tool Set Unit Equipment	EA	2	Region V
-20	4th Echelon Set No 2	EA	2	Region V
41-T-3545	Tool Set Welding	EA	3	Region V
-14	2nd Echelon Set No 5	EA	3	Region V
40-V-505	Valve Refuser Electric	EA	4	Region V
	5/16 inch to 5/8 capacity	EA	4	Region V
	110 V Universal	EA	4	Region V
40-V-530	Valve Rescater Complete	EA	4	Region V
	110 V AC. DC.	EA	4	Region V
41-R-2245	Reamer Cylinder Ridge	EA	4	Region V
	2 11/16 to 5 inch capacity	EA	4	Region V
41-C-2550	Compressor, Piston Ring	EA	4	Region V
	Universal	EA	4	Region V
40-C-1013	Cleaner & Tester, Spark Plug	EA	2	Region V
	Plug Compressed Air, Abrasive Type, 110 volts.	EA	2	Region V
40-G-498	Gun Lubricating, Air operated	EA	1	Region V
-25	High Pressure 11b, Chassis Lubrication.	EA	1	Region V
40-G-1425	Gun Lubricating Pump, 30-40	EA	1	Region V
	cket, low pressure, with flexible hose 25lbs capacity	EA	1	Region V
41-G-1344	Gun Lubricating, Push type	EA	1	Region V
-25	High pressure, water pump.	EA	1	Region V
41-W-3541	Tool Set Sheet Metal and Radiator Mechanics.	EA	6	Region V
41-T-3555	Tool Set Welders	EA	11	Region V
41-T-3534	Tool Set Machinist	EA	7	Region V

4622

Rome, Naples,
Florence, N.W. Italy.Rome, Naples, Florence
N.W. Italy, Region V.Rome, Naples, Florence,
NW Italy.

Rome, Naples, Florence,

41-T-3545 -14	Tool Set Welding 2nd Echelon Set No 5	EA	3	Pescara, Ascoli Macerata.
40-V-505	Valve Refacer Electric 5/16 inch to 5/8 capacity 110 V Universal	EA	4	Pescara, Ascoli Macerata, Siena.
40-V-530	Valve Reseater Complete 110 V AC. DC.	EA	4	Pescara, Ascoli Macerata, Siena.
41-R-2245	Reamer Cylinder Ridge 2 11/16 to 5 inch capacity	EA	4	Pescara, Ascoli Macerata Siena.
41-C-2550	Compressor, Piston Ring Universal	EA	4	Pescara, Ascoli, Ascoli, Macerata, Siena.
40-C-1013	Cleaner & Tester, Spark Plug Plug Compressed Air, Abrasive Type, 110 volts.	EA	2	Pescara, Ascoli.
40-G-498 -25	Gun Lubricating, Air operated High Pressure 1lb, Chassis Lubrication.	EA	1	Siena.
40-G-1425	Gun Lubricating Pump, Du- cket, Low pressure, with fle- xible hose 25lbs capacity	EA	1	Siena.
41-G-1344 -25	Gun Lubricating, Push type High pressure, water pump.	EA	1	Siena. 4622
41-T-3541	Tool Set Sheet Metal and Radiator Mechanics.	EA	6	Rome, Naples, Florence, N.W. Italy.
41-T-3555	Tool Set Welders	EA	11	Rome, Naples, Florence N.W. Italy, Region V.
41-T-3534	Tool Set Machinist	EA	7	Rome, Naples, Florence, NW Italy.
41-T-3539	Tool Set Painters	EA	7	Rome, Naples, Florence, NW Italy.
41-T-3534 -37	Tool Set General Mechan- ics.	EA	201	All Regions.
41-T-3543	Tool Set Trimmers	EA	4	Rome, Naples, Florence, NW Italy.

STOCK No.	ARTICLES	UNIT	ROD.	REGION
41-T-3535-75	Tool Set Ignition Mechanics	EA	4	Rome-Naples Florence, NW Italy
41-T-3505	Tool Set Battery Expert	EA	4	Rome, Naples Florence, NW Italy
41-T-3525	Tool Set Body Mechanics	EA	4	Rome, Naples Florence, NW Italy
41-T-3528-75	Tool Set Carburetor Mechanics	EA	4	Rome, Naples Florence, NW Italy
41-J-43/5	Jack Truck Hydraulic	EA	30	All Regions
41-T-3515	Tool Set Blacksmiths No.2	EA	2	Florence, NW Italy
NOTE	Truck Wrecker 4 Ton 6x6 or Tractors 6 wheeled Breakdown	EA	4	Rome, Naples Florence, NW Italy

DELETE FROM ABOVE REQUISITION EX TOOL SETS

40-L-28-10	Lathe, Engine, Motor Driven 13" Swing, 8ft Bed.	EA	1	5th Echelon Set Rome
M-0-2015	Generator, A.C. portable, Gasoline, Engine Driven 25Kw. 60 Cycle 115/230 V	EA	2	5th Echelon Set, Rome and Florence
40-G-131	Grinder, Electric Auto Parts and Crankshaft regrinding	EA	1	5th Echelon Set, Rome
M-0-1941-50	Generator A.C. portable 5000 W Gasoline-Engine driven, 120 V 60 Cycle single phase	EA	2	4th Echelon Set, Florence
40-S-1350	Saw, circular, woodworking 14HP 110/220 V, 60 Cycle	EA	1	5th Echelon Set, Rome
41-T-3534-50	Tool Set Glass cutting and installing	EA	1	5th Echelon Set Rome
66-M-980	Machine, sewing portable, 10 W Arm, electric	EA	2	Florence, NW Italy

41-T-3523	Tool Set Carbutter Mechanics	EA	4	Rome, Naples Florence, NW Italy
41-J-43/5	Jack Truck Hydraulic	EA	30	All Regions
41-T-3515	Tool Set Blacksmiths No. 2	EA	2	Florence, NW Italy
NONE	Truck Wrecker 4 Ton GxS or Tractors 6 Wheeled Breakdown	EA	4	Rome, Naples Florence, NW Italy
~~DELETE FROM ABOVE REQUISITION EA TOOL SETS~~				
40-L-28-10	Lathe, Engine, Motor Driven 16" Swing, 8 ft Bed.	EA	1	5th Echelon Set Rome
M-Q-2015	Generator, A.C. portable, gasoline, Engine Driven 25KW, 60 Cycle 115/220 V	EA	2	5th Echelon Set, Rome and Florence
40-G-131	Grinder, Electric Auto Parts and Crankshaft regrinding	EA	1	5th Echelon Set, Rome
M-Q-1941	Generator A.C. portable 5000 W Gasoline-Engine Driven, 120 V 60 Cycle single phase	EA	2	4th Echelon Set, Florence
40-S-1350	Saw, circular, woodworking 14HP 110/220 V, 60 Cycle	EA	1	5th Echelon Set, Rome
41-T-3534	Tool Set Glass cutting and installing	EA	1	5th Echelon Set Rome
66-M-980	Machine, sewing portable, with 30 m Arm, electric, Motor Driven 1 HP, 110 volts	EA	2	Florence, NW Italy

BRITISH IN U.S.A. EQUIPMENT.

Second Echelon Set No. 2

BRITISH

Eqpt. Stock	DESCRIPTION	Quantity	DESCRIPTION	Quantity	
41 A 181	Anvil, blacksmiths', steel solid, 10 lbs.	1	LV6MT2/89	Anvils smiths 1 1/2 cut.	1
19 20000	Black, ordinary, for anvil, rope, iron-shell, 1/2 inch, 1/2 inch, 1/2 inch, 1/2 inch, sheave, hook, 2 hole, 1/2 inch, 1/2 inch, size of block 8 in. 8 in. 8 in. 8 in.	1	NIV 36061	Block double sheave 1 1/2 inch	2
do. 20020	Block, ord. for anvil rope, iron-shell	1			
38 B 375	Brush, oil, twisted wire handle, 8 in. overall length	26			
38 B 1005	Brush, cleaning, steel wire, handle, 8 in. rectangular, 1 1/2 in. wide, 1 1/2 in. high	2	FB 0559	Brush steel wire welders	2
do. 1045	Brush, scrub, 1/2 in. oval, 1/2 in. 5, 1/2 in. 5	5	LV6MT2/35152	Brush sash tool n. 5	5
41 B 255	Bar, 1/2 in. length	1	LV6MT2/12276	Crowbars chisel & point 2 ft.	1
do. 510	Bender, conbar, sizes: 1/4 in. 1/2 in. 5/8 in. tubing pump	1	FA 0270	Bolts bending	1
6 C 5100	Check-rope, 1/2 in. green, 2 1/2 in. 1/2 in. 1/2 in.	1	LV6MT1/27441	Gauge tyre D-50 lbs.	1
17 C 0035	Charger, battery, port. 12 volt, 100 watt base line, 12 volt, 100 watt	1	ZB 1120	Charging set 1250 watt. n. 1	1
do. 16500	Clip, batt, 25 amp. 1 in. spread of 1 in. 1/2 in. length	20			
17 C 35000	Conductor, ext. 1/2 in. 1/2				

4600

5/32

11/16

3/16

13/16

7/32

15/64

6 C 5100	Clay - 2000, 1 in. spread of, 21070 lbs.	1	GA 27541	Gauge type 0-50 lbs.	1
17 C 9135	Charger, battery, port. 12 volt, 200 watt	1	ZB 11720	Charging set 1760 watt, n. 1	1
do. 10500	Clay, bag, 25 gal. cap. 1 in. spread of	20			
17 C 3517	Clay, bag, 25 gal. cap. 1 in. spread of	1			
40 C 1011	Clearer, 1 in. spark plug, compress.	1	GA 0930	Clamps screw engineers 'C' type	1
do. 1245	Cap, paint, spray gun, int. cap.	1	do	do.	2
41 C 15	Cabinet, tool, steel, 1/2 drawers 1 benchtop	2			
do. 237	Cap, deflation, for tire tubes, slotted	5			
do. 445	Carrier, storage battery	2			
do. 445	Case, metal, port. for carrying hand tub.	1			
do. 1730	Class C, mod. type, Class B, serv. w/te. cap.	1			
do. 1835	do.	2			
do. 2280	Clippers, bolt, right hand, clipper out.	1	FA 3280	Firecutters small	1
do. 2705	Crimper, iron, for crimping all cables	1	LV6MT1/37556	Cars petrol	3
do. 2825	Cutter, tube, for copper, brass, tin & lead	1			
42 C 450	Gun, air, steel, 1/2 in. 1/4 in.	1			
54 C 251	Gun, air, steel, 1/2 in. 1/4 in.	2			
68 C 1370	Compressor, air, port. 1/2 in. 1/4 in.	1	LV6MT9/30577	Compressing air, portable 1 1/2 H.P.	1
40 B 1005	Drill, twist, U.S.S., 1/2 in. 1/4 in.	2	LV6MT2/8726	Drill twist carbon steel parl. shk. 1/8 in. 2	1
do. 1835	do.	2	8027		40
do. 1807	do.	2	8028		5/32
do. 1808	do.	2	8029		11/64
do. 1809	do.	2	8031		3/16
do. 1810	do.	2	8032		13/64
do. 1811	do.	2	8033		7/32
do. 1812	do.	2	8034		15/64
do. 1813	do.	2	8036		1/4
do. 1814	do.	2	8038		17/64
do. 1815	do.	2	8041		9/32
do. 1816	do.	2	8043		5/16
do. 1817	do.	2	8044		11/32
do. 1818	do.	2	8045		3/8
do. 1819	do.	2	8046		13/32
do. 1820	do.	2			
do. 1821	do.	2			
do. 1822	do.	2			
do. 1823	do.	2			
do. 1824	do.	2			
do. 1825	do.	2			
do. 1826	do.	2			
do. 1827	do.	2			
do. 1828	do.	2			
do. 1829	do.	2			
do. 1830	do.	2			
do. 1831	do.	2			
do. 1832	do.	2			
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do. 1835	do.	2			
do. 1836	do.	2			
do. 1837	do.	2			
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do. 1839	do.	2			
do. 1840	do.	2			
do. 1841	do.	2			
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do. 1845	do.	2			
do. 1846	do.	2			
do. 1847	do.	2			
do. 1848	do.	2			
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do. 1850	do.	2			
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do. 1860	do.	2			
do. 1861	do.	2			
do. 1862	do.	2			
do. 1863	do.	2			
do. 1864	do.	2			
do. 1865	do.	2			
do. 1866	do.	2			
do. 1867	do.	2			
do. 1868	do.	2			
do. 1869	do.	2			
do. 1870	do.	2			
do. 1871	do.	2			
do. 1872	do.	2			
do. 1873	do.	2			
do. 1874	do.	2			
do. 1875	do.	2			
do. 1876	do.	2			
do. 1877	do.	2			
do. 1878	do.	2			
do. 1879	do.	2			
do. 1880	do.	2			
do. 1881	do.	2			
do. 1882	do.	2			
do. 1883	do.	2			
do. 1884	do.	2			
do. 1885	do.	2			
do. 1886	do.	2			
do. 1887	do.	2			
do. 1888	do.	2			
do. 1889	do.	2			
do. 1890	do.	2			
do. 1891	do.	2			
do. 1892	do.	2			
do. 1893	do.	2			
do. 1894	do.	2			
do. 1895	do.	2			
do. 1896	do.	2			
do. 1897	do.	2			
do. 1898	do.	2			
do. 1899	do.	2			
do. 1900	do.	2			
do. 1901	do.	2			
do. 1902	do.	2			
do. 1903	do.	2			
do. 1904	do.	2			
do. 1905	do.	2			
do. 1906	do.	2			
do. 1907	do.	2			
do. 1908	do.	2			
do. 1909	do.	2			
do. 1910	do.	2			
do. 1911	do.	2			
do. 1912	do.	2			
do. 1913	do.	2			
do. 1914	do.	2			
do. 1915	do.	2			
do. 1916	do.	2			
do. 1917	do.	2			
do. 1918	do.	2			
do. 1919	do.	2			
do. 1920	do.	2			
do. 1921	do.	2			
do. 1922	do.	2			
do. 1923	do.	2			
do. 1924	do.	2			
do. 1925	do.	2			
do. 1926	do.	2			
do. 1927	do.	2			
do. 1928	do.	2			
do. 1929	do.	2			
do. 1930	do.	2			
do. 1931	do.	2			
do. 1932	do.	2			
do. 1933	do.	2			
do. 1934	do.	2			
do. 1935	do.	2			
do. 1936	do.	2			
do. 1937	do.	2			
do. 1938	do.	2			
do. 1939	do.	2			
do. 1940	do.	2			
do. 1941	do.	2			
do. 1942	do.	2			
do. 1943	do.	2			
do. 1944	do.	2			
do. 1945	do.	2			
do. 1946	do.	2			
do. 1947	do.	2			
do. 1948	do.	2			
do. 1949	do.	2			
do. 1950	do.	2			
do. 1951	do.	2			
do. 1952	do.	2			
do. 1953	do.	2			
do. 1954	do.	2			
do. 1955	do.	2			
do. 1956	do.	2			
do. 1957	do.	2			
do. 1958	do.	2			
do. 1959	do.	2			
do. 1960	do.	2			
do. 1961	do.	2			
do. 1962	do.	2			
do. 1963	do.	2			
do. 1964	do.	2			
do. 1965	do.	2			
do. 1966	do.	2			
do. 1967	do.	2			
do. 1968	do.	2			
do. 1969	do.	2			
do. 1970	do.	2			
do. 1971	do.	2			
do. 1972	do.	2			
do. 1973	do.	2			
do. 1974	do.	2			
do. 1975	do.	2			
do. 1976	do.	2			
do. 1977	do.	2			
do. 1978	do.	2			
do. 1979	do.	2			
do. 1980	do.	2			
do. 1981	do.	2			
do. 1982	do.	2			
do. 1983	do.	2			
do. 1984	do.	2			
do. 1985	do.	2			
do. 1986	do.	2			
do. 1987	do.	2			
do. 1988	do.	2			
do. 1989	do.	2			
do. 1990	do.	2			
do. 1991	do.	2			
do. 1992	do.	2			
do. 1993	do.	2			
do. 1994	do.	2			
do. 1995	do.	2			
do. 1996	do.	2			
do. 1997	do.	2			
do. 1998	do.	2			
do. 1999	do.	2			
do. 2000	do.	2			

AMERICAN		Quantity	Section Part No.	DESIGNATION	Quantity
Fed. Stock	DESIGNATION				
48 D 1824	Drill, twist, U.S.S. stght-ank 27/54	1			
do. 1825	do. 7/16 in.	2			
do. 1826	do. 29/64 in.	1			
do. 1827	do. 15/32 in.	1			
do. 1828	do. 31/32 in.	1			
do. 1829	do. 1/2 in.	2			
41 B 200	Die, extra-orthogonal, 1/2 in. x 1/2 in. Fine threads, sizes 7/8, 1, 1 1/8, 1 1/4 in.	1			
do. 1410	Dresser, contact point, flex, air active non-conducting	100			
do. 1663	Drill, breast, 1/2 in. cap. of chuck 1/8 in. x 1/2 in.	1			
41 E 562	Extractor, serr., in sets 1/2, 1/4, 1/8, 1/16 in.	1			
50 E 208	Ext. injector, fire, 1/2 in. cap. 1 gal.	1			
B F 1500	Filling, battery, distilled water, unbreakable type, cap. 1 gal.	1			
do. 1350	Filter, battery syphon, 5 oz. cap.	1			
41 F 1575	Filler, thread, 1/2 in. x 1/2 in. threads to the inch, 1/2, 1/4, 1/8, 1/16 in.	1			
do. 2082	Filter, hydraulic brake, master cyl. pres. feed 1/2 in.	1			
B G 650	Gage, tire pressure, precision type	1			
40 G 458-750	Gage, lubricating oil, operated, high pres. 1/2 in. x 1/2 in. x 1/2 in.	1			
40 G 527	Gage, oil, spray, syphon feed, 1/2 cubic ft. per minute	1			
41 G 124	Gage, cyl. compression, unit type	1			
do. 407	Gage, thickness, 1, 1 1/2 in. strips	1			
do. 500	Gage, combination, vacuum & pressure	1			
do. 510	Gage, wheel slipping, toe-in	1			
do. 672	Grinder, bench, hand power, 1/2 in. x 1/2 in. x 1/2 in.	1			
do. 1330-50	Gum, lubricating, lever type, high pres. 1/2 in.	1			
do. 1344-25	do. push type, water pump	1			
do. 1305	Gum, oil, expansion type, differential & fresh solution	1			
do. 1370	do. shock absorber	1			
do. 1425	Gum, light, pump, bucket, low pres. w/ files. hose 1/2 in. x 1/2 in.	1			
18 H 940	Hydrocutter, anti-freeze solution	2			
do. 1740	" " storage battery testing	2			
32 H 120	Hose, air, 1/4 in. x 1.0, 25 ft. length	5			
41 H 126	Hammer, blacksmith, hand cross-peen, w/ handle, 1 lb.	1			
do. 137	Hammer, carpenters', claw, bell-faced weight 1 lb.	1			
do. 1510	Handle, soldering iron, 5 1/2 in. length x 1/2 in. x 1/2 in.	2			
do. 1561	Handle, soldering iron, 5 1/2 in. length x 1/2 in. x 1/2 in.	1			
41 I 700	Iron, soldering non-electric, pyramid point type, weight 1 lb.	2			
do. 772	Iron, tire, curved type, 2 1/2 in. long	1			
do. 773	Iron, tire, straight, for driving tires off rusted rims	1			
do. 788	Iron, tire, hand, unit, length 18 in. x 1/2 in.	2			
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LV6BT1/2212	Battlingham fire etc 1/4 Gall.	4
LV6BT4/44056	Syringes Battery Filling	1
LV6BT1/27541	Gauges type 0-50 LB	1
LV6BT2/70359	Outfits paint spray B.F.I. Mod. Compl.	1
FA 2006	Gauge feeler	1
LV6 BT2/4075	Grinders toolbench 7in. wheel	1
LV6 BT4/407	Hydrometers Acid Testing	2
FA 2140	Hammers sattles hard 2 lb.	1
FA 2153	Hammers carpenters 1 lb.	1
FA 1040	Cutters Agvill Small Shank	1
FA 2406	Irons soldering 1, 7/8 Tb. <i>Left</i>	2
LV6BT2/45147	Levers Type 10-1-16, 1/4in. <i>Left</i>	1
LV6BT2/45314	do. Straight 15in.	1
LV6BT1/71280	Jacks lifting 4ton w handle	2
LV6BT2/45520	Lifter valve car size	1
KE 4567	Measures oil + cell.	1
KE 4120	Powers oil	2
58 E 208	Extinction, fire, CIO, cap. 1 gal.	1
B F 1000	Filler, battery, distilled water, unbreak- able type, cap. 1 gal.	1
do. 1050	Filler, battery syringe, doz. cap.	1
41 F1515	Filler, three, 1/2in. threads to the inch	1
do. 2082	Filler, hydro. brake, water cyl. pres. feed 1	1
B G 650	Gage, tire pressure, precision type	1
40 G 498-250	Gage, lubricating, air operated, high pres.	1
40 G 527	Gage, spray, syphon feed, 1/4cubic ft. per minute	1
41 O 124	Gage, cyl. compression, only type	1
do. 107	Gage, thickness, 1, 12in. strips	1
do. 500	Gage, combination, vacuum & pressure	1
do. 510	Gage, wheel aligning, toe-in	1
do. 77	Grinder, bench, hand power, hv duty 6in. wh. 1	1
do. 1320-50	Gum, lubricating, lever type, high pres. 11oz	1
do. 1344-75	do. push type, water pump	1
do. 1365	Gum, oil, syphon type, differential & transmission	1
do. 1376	do. shock absorber	1
do. 1425	Gum, tube, cup, bucket, low pres. w/flex.	1
12 H 940	Hydrometer, anti-freeze solution	2
do. 1217	" " Storage battery testing	2
39 H 120	Hose, air, 1/4in. i.d., 75ft. length	5
41 H 126	Hammer, blacksmith, hand cross-peen, v/hes. handle, 3 lb.	1
do. 187	Hammers, carpenters', claw, bell-faced weight 1 lb.	1
do. 1510	Handle, soldering iron, 5in. length x 1, 3/8 in. dia.	2
do. 1581	Handle, blacksmith, 1/4in. shank, size of shank, 1/4in. x 1/2in. x 1/2in. of bit	1
41 I 700	Iron, soldering, non-electric, pyramid point type 1, weight per pair 1 lb.	2
do. 772	Iron, wire, curved type, 24in. long	1
do. 773-50	Iron, wire, driving, for driving tires off rusting rims	1
do. 780	Iron, wire, bond, only length 18in. set	1
41 J 72-5	Jack, truck, hydr. 3ton	2
17 L 755	Lantern, elect. hand, 2, 4volts	2
41 L 1408	Lifter, valve, compression type	1
do. 1450	" " " " spring, hand	1
do. 1440	Light, tubing, open tube type, hv duty, x/(ft., 1in. leads w/fitting & rubber covers	1
41 M 512	Measure, 7/11oz. spirit, crankcase filler, 8-qt., valve-controlled, steel	1
do. 042	Measure, w/flex. spout, cap. 2-qt.	1
13 O 400	Oil, spill, 4oz. 1-oz. 1/2-oz. 1-oz. 1/2-oz. 1-oz. operated, w/bracket	2
41 P 125	Pen, drain, iron, 4-gal. cap.	2
41 P 1572	Pliers, brake key, horse shoe type, brake key & keep ring	1
do. 1578	Pliers, brake spring, for removing & replace, desk springs	1

Item	Stock	Part No.	DESCRIPTION	Quantity
41 P 3015-50	Puller-Set, bearing race, yoke, type, for pulling & pushing gears, bearings, etc.			1
do. 2952	Puller, steering rack, ers, aniv. type, passenger car & light truck.			1
do. 2934	Puller, steering wheel, aniv. type			1
do. 2937	Puller, aniv. slide-hammer type, ravers. 1/3 tons			1
11 P 600	Pump, oil barrel motor oil dispensing, 1 qt. 15 to 30 gal. barrels or drums.			2
41 P 3000	Punch, belt, revolving, size tubes, 1/2 to 1			1
do. 3724	Punch, hollow w/mandrel, 1/4 in. to 5/16 in. ext			1
21 R 418	Rope, steel, 1 in. diam. Setrand, end. laid			1
do. 815	do. strand circumference 3 in.			1
41 R 3378	Recover & 8 ft. jacks, lock rings, 10 in. diam, for prestone 8 ft. jacks			1
do. 2381-542	Recover, valve lock key			1
40 S 1355	Separator, oil & water, w/one regulator			1
44 S 185	Saw, crosscut, hand, length cutting edge 24 in. 8 pieces per inch			1
do. 000	Screen, headlight, adj. chart 10 ft. x 10 ft. x 10 ft.			1
do. 1130	Screwdriver, ratchet screw			2
do. 2180	Setter, 1/2 in. extruder stud, socket wrench, 1 in. sq. drive, 5/16 in. to 1/2 in.			2
do. 2813	Shears, 10 in. hand, straight cut, type A			1
do. 3705	Sledge, blades 11 in., cross-spacer, w/handle, 12 lb.			1
do. 4162	Sprayer, tire, hydric, foot-operated			1
do. 5416	Stone, sharpening, unmounted, combination, 800, face coarse, 1/2 in. thick, thickness 1 in. width 1/2 in. length 8 in.			1
17 T 5585	Tester, battery, volt, only.			1
do. 5575	Tester, low voltage circuit, elect.			1
41 T 1885	Threading, bolt & screw, cons. of dies 6 taps, 1/4 in. to 1/2 in. to 1 in. set			1
do. 1935	do. stocks, taps & wrenches, 1/4 in. V-Thread, 1/4 in. to 1/2 in. to 1 in. to 1 1/2 in. to 2 in. to 3 in. to 4 in. to 5 in. to 6 in. to 8 in. to 10 in. to 12 in. to 14 in. to 16 in. to 18 in. to 20 in. to 24 in. to 28 in. to 32 in. to 36 in. to 40 in. to 44 in. to 48 in. to 52 in. to 56 in. to 60 in. to 64 in. to 68 in. to 72 in. to 76 in. to 80 in. to 84 in. to 88 in. to 92 in. to 96 in. to 100 in. to 104 in. to 108 in. to 112 in. to 116 in. to 120 in. to 124 in. to 128 in. to 132 in. to 136 in. to 140 in. to 144 in. to 148 in. to 152 in. to 156 in. to 160 in. to 164 in. to 168 in. to 172 in. to 176 in. to 180 in. to 184 in. to 188 in. to 192 in. to 196 in. to 200 in. to 204 in. to 208 in. to 212 in. to 216 in. to 220 in. to 224 in. to 228 in. to 232 in. to 236 in. to 240 in. to 244 in. to 248 in. to 252 in. to 256 in. to 260 in. to 264 in. to 268 in. to 272 in. to 276 in. to 280 in. to 284 in. to 288 in. to 292 in. to 296 in. to 300 in. to 304 in. to 308 in. to 312 in. to 316 in. to 320 in. to 324 in. to 328 in. to 332 in. to 336 in. to 340 in. to 344 in. to 348 in. to 352 in. to 356 in. to 360 in. to 364 in. to 368 in. to 372 in. to 376 in. to 380 in. to 384 in. to 388 in. to 392 in. to 396 in. to 400 in. to 404 in. to 408 in. to 412 in. to 416 in. to 420 in. to 424 in. to 428 in. to 432 in. to 436 in. to 440 in. to 444 in. to 448 in. to 452 in. to 456 in. to 460 in. to 464 in. to 468 in. to 472 in. to 476 in. to 480 in. to 484 in. to 488 in. to 492 in. to 496 in. to 500 in. to 504 in. to 508 in. to 512 in. to 516 in. to 520 in. to 524 in. to 528 in. to 532 in. to 536 in. to 540 in. to 544 in. to 548 in. to 552 in. to 556 in. to 560 in. to 564 in. to 568 in. to 572 in. to 576 in. to 580 in. to 584 in. to 588 in. to 592 in. to 596 in. to 600 in. to 604 in. to 608 in. to 612 in. to 616 in. to 620 in. to 624 in. to 628 in. to 632 in. to 636 in. to 640 in. to 644 in. to 648 in. to 652 in. to 656 in. to 660 in. to 664 in. to 668 in. to 672 in. to 676 in. to 680 in. to 684 in. to 688 in. to 692 in. to 696 in. to 700 in. to 704 in. to 708 in. to 712 in. to 716 in. to 720 in. to 724 in. to 728 in. to 732 in. to 736 in. to 740 in. to 744 in. to 748 in. to 752 in. to 756 in. to 760 in. to 764 in. to 768 in. to 772 in. to 776 in. to 780 in. to 784 in. to 788 in. to 792 in. to 796 in. to 800 in. to 804 in. to 808 in. to 812 in. to 816 in. to 820 in. to 824 in. to 828 in. to 832 in. to 836 in. to 840 in. to 844 in. to 848 in. to 852 in. to 856 in. to 860 in. to 864 in. to 868 in. to 872 in. to 876 in. to 880 in. to 884 in. to 888 in. to 892 in. to 896 in. to 900 in. to 904 in. to 908 in. to 912 in. to 916 in. to 920 in. to 924 in. to 928 in. to 932 in. to 936 in. to 940 in. to 944 in. to 948 in. to 952 in. to 956 in. to 960 in. to 964 in. to 968 in. to 972 in. to 976 in. to 980 in. to 984 in. to 988 in. to 992 in. to 996 in. to 1000 in. to 1004 in. to 1008 in. to 1012 in. to 1016 in. to 1020 in. to 1024 in. to 1028 in. to 1032 in. to 1036 in. to 1040 in. to 1044 in. to 1048 in. to 1052 in. to 1056 in. to 1060 in. to 1064 in. to 1068 in. to 1072 in. to 1076 in. to 1080 in. to 1084 in. to 1088 in. to 1092 in. to 1096 in. to 1100 in. to 1104 in. to 1108 in. to 1112 in. to 1116 in. to 1120 in. to 1124 in. to 1128 in. to 1132 in. to 1136 in. to 1140 in. to 1144 in. to 1148 in. to 1152 in. to 1156 in. to 1160 in. to 1164 in. to 1168 in. to 1172 in. to 1176 in. to 1180 in. to 1184 in. to 1188 in. to 1192 in. to 1196 in. to 1200 in. to 1204 in. to 1208 in. to 1212 in. to 1216 in. to 1220 in. to 1224 in. to 1228 in. to 1232 in. to 1236 in. to 1240 in. to 1244 in. to 1248 in. to 1252 in. to 1256 in. to 1260 in. to 1264 in. to 1268 in. to 1272 in. to 1276 in. to 1280 in. to 1284 in. to 1288 in. to 1292 in. to 1296 in. to 1300 in. to 1304 in. to 1308 in. to 1312 in. to 1316 in. to 1320 in. to 1324 in. to 1328 in. to 1332 in. to 1336 in. to 1340 in. to 1344 in. to 1348 in. to 1352 in. to 1356 in. to 1360 in. to 1364 in. to 1368 in. to 1372 in. to 1376 in. to 1380 in. to 1384 in. to 1388 in. to 1392 in. to 1396 in. to 1400 in. to 1404 in. to 1408 in. to 1412 in. to 1416 in. to 1420 in. to 1424 in. to 1428 in. to 1432 in. to 1436 in. to 1440 in. to 1444 in. to 1448 in. to 1452 in. to 1456 in. to 1460 in. to 1464 in. to 1468 in. to 1472 in. to 1476 in. to 1480 in. to 1484 in. to 1488 in. to 1492 in. to 1496 in. to 1500 in. to 1504 in. to 1508 in. to 1512 in. to 1516 in. to 1520 in. to 1524 in. to 1528 in. to 1532 in. to 1536 in. to 1540 in. to 1544 in. to 1548 in. to 1552 in. to 1556 in. to 1560 in. to 1564 in. to 1568 in. to 1572 in. to 1576 in. to 1580 in. to 1584 in. to 1588 in. to 1592 in. to 1596 in. to 1600 in. to 1604 in. to 1608 in. to 1612 in. to 1616 in. to 1620 in. to 1624 in. to 1628 in. to 1632 in. to 1636 in. to 1640 in. to 1644 in. to 1648 in. to 1652 in. to 1656 in. to 1660 in. to 1664 in. to 1668 in. to 1672 in. to 1676 in. to 1680 in. to 1684 in. to 1688 in. to 1692 in. to 1696 in. to 1700 in. to 1704 in. to 1708 in. to 1712 in. to 1716 in. to 1720 in. to 1724 in. to 1728 in. to 1732 in. to 1736 in. to 1740 in. to 1744 in. to 1748 in. to 1752 in. to 1756 in. to 1760 in. to 1764 in. to 1768 in. to 1772 in. to 1776 in. to 1780 in. to 1784 in. to 1788 in. to 1792 in. to 1796 in. to 1800 in. to 1804 in. to 1808 in. to 1812 in. to 1816 in. to 1820 in. to 1824 in. to 1828 in. to 1832 in. to 1836 in. to 1840 in. to 1844 in. to 1848 in. to 1852 in. to 1856 in. to 1860 in. to 1864 in. to 1868 in. to 1872 in. to 1876 in. to 1880 in. to 1884 in. to 1888 in. to 1892 in. to 1896 in. to 1900 in. to 1904 in. to 1908 in. to 1912 in. to 1916 in. to 1920 in. to 1924 in. to 1928 in. to 1932 in. to 1936 in. to 1940 in. to 1944 in. to 1948 in. to 1952 in. to 1956 in. to 1960 in. to 1964 in. to 1968 in. to 1972 in. to 1976 in. to 1980 in. to 1984 in. to 1988 in. to 1992 in. to 1996 in. to 2000 in. to 2004 in. to 2008 in. to 2012 in. to 2016 in. to 2020 in. to 2024 in. to 2028 in. to 2032 in. to 2036 in. to 2040 in. to 2044 in. to 2048 in. to 2052 in. to 2056 in. to 2060 in. to 2064 in. to 2068 in. to 2072 in. to 2076 in. to 2080 in. to 2084 in. to 2088 in. to 2092 in. to 2096 in. to 2100 in. to 2104 in. to 2108 in. to 2112 in. to 2116 in. to 2120 in. to 2124 in. to 2128 in. to 2132 in. to 2136 in. to 2140 in. to 2144 in. to 2148 in. to 2152 in. to 2156 in. to 2160 in. to 2164 in. to 2168 in. to 2172 in. to 2176 in. to 2180 in. to 2184 in. to 2188 in. to 2192 in. to 2196 in. to 2200 in. to 2204 in. to 2208 in. to 2212 in. to 2216 in. to 2220 in. to 2224 in. to 2228 in. to 2232 in. to 2236 in. to 2240 in. to 2244 in. to 2248 in. to 2252 in. to 2256 in. to 2260 in. to 2264 in. to 2268 in. to 2272 in. to 2276 in. to 2280 in. to 2284 in. to 2288 in. to 2292 in. to 2296 in. to 2300 in. to 2304 in. to 2308 in. to 2312 in. to 2316 in. to 2320 in. to 2324 in. to 2328 in. to 2332 in. to 2336 in. to 2340 in. to 2344 in. to 2348 in. to 2352 in. to 2356 in. to 2360 in. to 2364 in. to 2368 in. to 2372 in. to 2376 in. to 2380 in. to 2384 in. to 2388 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do. 2301	End face, valve lock key	1	
do. 3	1555 Separator, 11.3 water, w/one regulator	1	
do. 3 185	Saw, crosscut, hand, length cutting edge 24 in. 8 points per inch	1	
do. 990	Screen, headlight, adj. chart 10 ft. side x 2 ft. high	1	
do. 1630	Screwdriver, recessed screw	2	
do. 2390	Setter, 1/2 in. extruded, stud, socket wrench, 3 in. sq. drive, 5/16 in. 285/8 in.	2	
do. 2613	Shears, 11 in. hand, straight cut, type A	1	
do. 3780	Sledge, blacksmith's, cross-peen, w/handle, 12 lb.	1	
do. 4162	Spreeder, tire, hydric, foot-operated	1	
do. 5416	Stone, sharpening, unmounted, combination, gas face, coarse, other face fine, 10 in. x 1 in. x 1/2 in. length 8 in.	1	
do. 5505	Tester, battery, volt, univ.	1	
do. 5575	Tester, loc. voltage circuit, elect.	1	
do. 1855	Threading, bolt & screw, cons. of dies & taps, "C", 1/2 in. to 1 in. 83	1	
do. 1925	do. stacks, 1/2 in. x 1/2 in. x 1/2 in. V-thread, 1/2 in. x 1/2 in. x 1/2 in. 83	1	
do. 3125-20	Tool, flaring, copper tubing, sizes 3/16 in. to 1 in.	1	
do. 3135	Tool, flaring, steel tubing, 1/2 in. x 1/2 in. x 1/2 in. 83	1	
do. 3175	Tool, grease filling, univ.	1	
do. 3372	Tool, tire chain repair, univ. port.	1	
do. 3378	Tool, tire, valve stem fishing	1	
do. 3378-50	Tool, holding, for repair of tire valves	2	
do. 3381	Tool, valve converter, for bending tire stems	1	
do. 3382-20	Tool, valve stem, conver. for bending valve	1	
do. 3654	Torch, gas, cyl. 101. cap. w/iron holder	1	
do. 4170	Tube, hydric, brake blender, comp. w/wrenches	1	
do. 3376	Tool, valve core, remov. for remov. damaged cores	2	
do. 276	Vise, machinist's, swivel base, stationary base, 1 in. 1/2	1	
do. 815	Vulcanizer, valve & tube, for tube repair & valve replacement	1	
do. 150	Wrench, screw, adj. auto, 15 in.	1	
do. 610	Wrench box, 15 in. x 10 in. x 10 in. 1/16 in.	1	
do. 613	do. 1, 1/4 x 1, 3/8	1	
do. 635	do., curved handle, 9/16 x 5/8	1	
do. 636	do. socket, set 3/4 in. sq. drive	1	
do. 3322	do. spark plug, 1 in. sq. drive, 5/8 in. double hex	1	
do. 3323	do. 11/16 in. double hex	1	
do. 3325	do., 13/16 in.	1	
do. 3326	do., 7/8	1	
do. 3327	do., 15/16 in.	1	
do. 3328	do., 1 in.	1	
do. 3329	do., 1 1/8 in.	1	
do. 3572	Wrench, open end, 7/16 in. 1/16 in.	2	
do. 3573	Wrench, open end, 7/16 in. 1/16 in.	2	
do. 3579	do.	2	

FA 1459 Sans Hand 26 in. 1

LV6 NT2/21158 Screwdrivers 1 1/2 in. blade 5200 1

FA 1718 Shears tinners set 10 in. 1

FA 2183 Hammer sledge straight pane 10 lb 1

LV6 NT2/21158 Stones carbundum coarse fine 1

LV6 NT/30544 Voltmeters 0-15 volts 1

X For Detail see P 13

LV6 NT2/20815 Tool type valve stem fishing 1

LV6 NT2/2170 Large bearing 1 pint 1

LV6 NT2/20830 Tool valve core removing 4628 1

LV6 NT/13785 Vise bench filters parallel jaw 3/4 in. 1

LV6 NT2/5216 Wrench adj. 12 in. 1

Spanners Dex tubular Heavy

LV6 NT7/4675 1/8 x 3/16 in. 1

5 1/4 x 5/16 in. 1

0 5/8 x 3/4 in. 1

1600 3/8 x 1/4 in. 1

LV6 NT9 Spanners Magneto Combination set 1

A. 50750

Part No.	DESCRIPTION	Quantity	Section Part No.	QUALITY
41 3579	Branch, tappet, double-end, 9/16 in. and 5/8 in.	2		
do. 3582	do. 11/16 in. and 3/4 in.	2		
do. 3585	do. 13/16 in. and 7/8 in.	2		
do. 3630	do. torque-indicating 1 in. sq. stationary lug.	1		
do. 3830	Wrench, sheet, lug nut, shock type, 3/4 in. sq. drive comp. w/sockets and hex. nut heater			

X DETAIL OF TOOLS SUBMITTING S.A.C.

EA 6724-5718	Tools screwcutting B.S.F. Set No. 1 Collate Dies 1 taps Compl.	1
EA 7026	Cases Steel No. 2	1
EA 3601	Fittings used No. 2 set	1
7717	Stocks C	1
7813	Branches adjustable C O	1
7914	" " D D	1
8771-90	Tools screwcutting B.S.F. set No. 2 Collate Dies and Taps 2nd Taper	1
7897	Cases steel No. 2	1
7862	Fittings used No. 3 A	1
7719	Stocks I	1
7812	Branches adj. D D	1
7813	" " C C	1

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EQUIVALENT TOOL - SETS
AMERICAN
BRITISH

41 T 3541	Tool set sheet metal and Radiator Mechanics	6	Sec.F Chests tool filled Tins & Coppers	6
41 T 3555	Tool set welders	11	Sec.F Kit hand tools, welder, acetylene	11
41 T 3534	Tool set machinist	7		
41 T 3539	" " painters	7	LV6MT2 Chests tool MT filled, painters & signwriters	7
41 T 3534 - 37	" " general mechanics	201	Sec.F Chests, tool, filled, Fitters	201
41 T 3543	" " Trimmers	4	LV6/MT2 Chests, tool MT filled Trimmers	4
41 T 3535 - 75	" " Ignition mechanics	4	LV6/MT2 Chests tool MT filled Electrician	4
41 T 3505	" " Battery expert	4		
41 T 3525	" " Body mechanics	4	Sec.F Chests tool filled carpenters	4
41 T 3528 - 75	" " Carburettor mechanics	4		
41 T 3513	" " Blacksmiths N ^o .2	2	Sec.F Chests tool filled Blacksmiths	2

BRITISH EQUIVALENT TOOLS IN U.S.A. EQUIVALENT SETS.

AMERICAN

BRITISH

Declassified E.O. 12356 Section 3.3/NND No. 785021

Fed. Stock No.	DESIGNATION	Ech. Set No.			Sec. Part No.	DESIGNATION	Ech. Set No.		
		3	4	5			3	4	5
40 A 75	Armature Turning Kit universal	-	1	-					
41 A 135	Aligner conn. rod universal	-	1	1					
37 A 1815	Anvil, blacksmith's steel face and horn iron body 100 lbs.	1	-	-	LV8 889	Anvil smith's 1 1/2 set. do.	1	-	-
41 A 200	Anvil blacksmith's do. do. 200 lbs.	-	2	-			-	2	-
41 A 281	Anvil, brake shoe straightening	-	1	1					
41 A 327	Applicator brake lining light & med. duty universal type	1	2	-					
41 A 328	Applicator brake lining hvy duty unit type	1	2	-					
41 A 329-8 B 500	Applicator piston ring	-	2	-					
17 B 13090	Bar towing unit. type	1	4	-	RV 26391	Bar towing	1	4	-
38 B 675	Bench test universal for testing generators & starting motors	-	1	-					
38 B 1005	Brush acid soldering black bristles length overall 8 1/2 in. brush dia. 3/4 in.	3	48	-	FB 9559	Brush-steel-wipe-welders			
38 B 3345	Brush cleaning, steel wire, med. hard rec. handled	6	12	-	FB 9559	Brush steel wire welders	6	12	-
40 B 75	Brush sash tool oval No 5	-	40	-	LV8MT2 35152	Brush sash tool No 6	-	48	-
40 B 870	Bar boring for conn rod bearings	-	-	1					
40 B 880	Brush cleaning, cleaning end, type sol. filled 7/8 in. shank dia 1 in min	6	12	-					
41 B 20	do. side flare dia. 1 1/4 in min 1/4 in shank	6	12	-					
41 B 177	Bar boring camshaft and cam bearings unit. type	-	-	2					
41 B 255	Bar, cross pinch point	-	2	-	LV8MT2 13276	Crabber, chisel and point 2 ft. do.	-	2	-
41 B 315	Bar Jimmy 24 in length	2	4	-			2	4	-
41 B 333	Bar, spring shackle greasing solid	1	2	-					
41 B 493	Bar, carpenter's wrecking bar, opposed necked size of stock 3/4 in length 24 in	-	2	-					
41 B 530	Bench workbench metal top folding legs height 33 in width 28 1/4 in length 72 in	-	18	-					
41 B 592	Benders copper sizes 1/4, 5/16, 3/8, 7/16, and 5/8 in tubing set	1	1	-	FA 0270	Bolts bending	1	1	-
41 B 1465	Bevel sliding metal handle, length of blade 8 in.	-	2	-					
41 B 1635	Blocks 1/2 complete w clamp set of 2	-	-	2					
42 B 25520	Blocks, alter adjt. without cam	-	1	-					
8 C 5300	Bucket metal 14 quart capacity	4	15	-	KF 0831	Buckets, 13 inch	4	15	-
17C 9635	Chuck Gage tire pressure 20/30 lbs	2	2	-	LV8MT1 27674	Gauge type No 2 -45/120 lbs.	2	2	-
17 C 10500	Charger, battery, portable, 12 volt, 2000 watt, gas engine driven	1	4	-	ZB 1120	Charging set 1760 watt No. 1	1	4	-
17 C 35070	Clip, universal, for battery use, 25 ampere capacity	20	80	-					
40 C 35080	Cord, light extension, 50 ft, heavy duty two conductor, 16 gage, 15 ft. long	6	0	-					
40 C 35090	Cord, light extension, heavy duty, two conductor, 16 gage, 15 ft. long	6	24	-					
40 C 970	Cord, 55 ft, for wire gaged mills, sizes, 2 to 35 inclusive	2	4	-					
40 C 985	Chuck, drill, 3-1/2 in. ball bearing, hvy-duty type, clamp on with 1/2 in. cap screw and key, cap 1/8 in. 3/4 in.	-	-	1					
40 C 1020	Clamp, 1/2 in. for pressing, vee-grooved	-	-	-					

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38 B 675	Brush acid soldering black bristles length overall 8 1/2 in. Brush dia. 3/8 in.	3	48	-	FB 0559	Brush-steel-wire-welders	-	-	-
38 B 1005	Brush cleaning-steel wire, red, hard rect. handled	6	12	-	FB 0539	Brush steel wire welders	6	12	-
38 B 3345	Brush sash tool oval No 5	-	48	-	LV00T2	35152 Brush sash tool No 5	-	48	-
40 B 75	Bar boring for comm. rod bearings	-	-	1	-	-	-	-	-
40 B 870	Brush carbon cleaning rod type sol. filled 7/16 in shank dia 1 in min	6	12	-	-	-	-	-	-
40 B 880	do. side flare dia. 1/4 in min 1/4 in shank	6	12	-	-	-	-	-	-
41 B 20	Bar boring camshaft and main bearings unit. type	-	-	2	LV00T2 13276	Crusher, chisel and point 2 ft. ds.	-	2	-
41 B 177	Bar, crew pinch point	-	2	-	-	-	-	-	-
41 B 255	Bar jenny 24 in length	2	4	-	FA 0270	Bolts bending	1	1	-
41 B 315	Bar, spring shackle greasing solid	1	2	-	-	-	-	-	-
41 B 333	Bar, carpenter's wrench 10 in gosses necked size of stock 3/4 in length 2 1/2 in	-	2	-	-	-	-	-	-
41 B 493	Bar, workshop metal top folding legs height 33 in width 28 1/4 in length 72 in	-	18	-	-	-	-	-	-
41 B 530	Band saws copper sizes 1 1/4, 3/16, 3/8, 1/2, and 5/8 in tubing set	1	1	-	FA 0270	Bolts bending	1	1	-
41 B 582	Bevel sliding metal handle. length of blade 8 in.	-	2	-	-	-	-	-	-
41 B 1465	Blocks "V" complete w clamp set of 2	-	-	2	-	-	-	-	-
41 B 1835	Blocks, miter adjt. without saw	-	1	-	-	-	-	-	-
42 B 25520	Bucket metal 14 quart capacity	4	15	-	KF 0931	Buckets, 13 1/2 in	4	15	-
B C 5300	Chuck Gage time pressure 20/130 lbs	2	2	-	LV00T1 27674	Gage tyre No 2 -45/120 lbs.	2	2	-
170 9635	Charger, battery, portable, 12 volt, 2000 watt, gas engine driven	1	4	-	ZB 1120	Charging set 1260 watt No. 1	1	4	-
17 C 10500	Clip universal for battery use, 25 ampere capacity.	20	80	-	-	-	-	-	-
17 C 35079	Cord, light extension, 6 volt, heavy duty two conductor, 16 gage, 15 ft. long	6	8	-	-	-	-	-	-
40 C 35080	Cord, light extension, heavy duty, two conductor, 16 gage, 25 ft. long	8	24	-	-	-	-	-	-
40 C 920	Gage, drill for wire paced drills, sizes, 8 to 65 inclusive	2	4	-	-	-	-	-	-
40 C 965	Chuck drill, 3-1/2 in, ball bearing, heavy duty type, comp. etc with 1/2 in. taper arbor and key, cap. 1/2 in. 3/4 in.	1	1	-	-	-	-	-	-
40 C 4008	Cleaner, high pressure, vapor-generating and cleaning electric-driven 110 volt 60 cycle, single phase	2	2	-	-	-	-	-	-
40 C 1008	Cleaner, engine kerosene, spray, 1 quart cap.	-	2	-	-	-	-	-	-
40 C 1013	Cleaner & tester, spark plug, 60 cycle air, abrasive type, 110 volt, 60 cycle	1	1	-	-	-	-	-	-
40 C 1345	Cap: paint spray gun 1 Qt. Cap	2	8	-	-	-	-	-	-
41 C 15	Cabinet, tool, steel w drawers & bench top	6	12	-	-	-	-	-	-
41 C 55	Callipers, firm joint, inside, 12 in.	-	2	-	FA 0585	Callipers 4 in inside	-	2	-
41 C 76	Callipers, firm joint, outside 12 in.	-	2	-	FA 0586	do outside	-	2	-
41 C 304	Capilers, micro. inside, range 2/8 in set	1	2	2	-	-	-	-	-
41 C 307	Calipers: micro. outside, English w/feather stop, range 0/5 in by 1/16ths (6 sizes) in case set	1	2	2	FA 3035	Microimeters outside 0-1 in	1	2	2

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Fedl. Stock No.	AMERICAN DESIGNATION.	Ech. Set No	Ech. Set No.	BRITISH DESIGNATION.	Ech. Set No.
3	4	5	6	7	8
41 C 445	Carrier storage battery straight type	4	5		
41 C 455	Case, metal for carrying hand tub, gun	1	2		
41 C 1730	Clamp, C Med. service sides 4 inch.	1	2	FA 0030	Clamps screw engineers C Type
41 C 1732	Clamp, do. size 6 inch	1	4		2 16
41 C 1736	Clamp, do. 10 inch	-	4		
41 C 1835	Clamp, hyd. brake cyl. (set of 4) set	4	9		
41 C 2155	Clampers, piston ring grooving set blade sizes: 3/8, 1/2, 5/8, 3/4, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 3/4, 3, 3 1/4, 3 1/2, 4, 4 1/4, 4 1/2, 4 3/4, 5, 5 1/4, 5 1/2, 5 3/4, 6, 6 1/4, 6 1/2, 6 3/4, 7, 7 1/4, 7 1/2, 7 3/4, 8, 8 1/4, 8 1/2, 8 3/4, 9, 9 1/4, 9 1/2, 9 3/4, 10, 10 1/4, 10 1/2, 10 3/4, 11, 11 1/4, 11 1/2, 11 3/4, 12, 12 1/4, 12 1/2, 12 3/4, 13, 13 1/4, 13 1/2, 13 3/4, 14, 14 1/4, 14 1/2, 14 3/4, 15, 15 1/4, 15 1/2, 15 3/4, 16, 16 1/4, 16 1/2, 16 3/4, 17, 17 1/4, 17 1/2, 17 3/4, 18, 18 1/4, 18 1/2, 18 3/4, 19, 19 1/4, 19 1/2, 19 3/4, 20, 20 1/4, 20 1/2, 20 3/4, 21, 21 1/4, 21 1/2, 21 3/4, 22, 22 1/4, 22 1/2, 22 3/4, 23, 23 1/4, 23 1/2, 23 3/4, 24, 24 1/4, 24 1/2, 24 3/4, 25, 25 1/4, 25 1/2, 25 3/4, 26, 26 1/4, 26 1/2, 26 3/4, 27, 27 1/4, 27 1/2, 27 3/4, 28, 28 1/4, 28 1/2, 28 3/4, 29, 29 1/4, 29 1/2, 29 3/4, 30, 30 1/4, 30 1/2, 30 3/4, 31, 31 1/4, 31 1/2, 31 3/4, 32, 32 1/4, 32 1/2, 32 3/4, 33, 33 1/4, 33 1/2, 33 3/4, 34, 34 1/4, 34 1/2, 34 3/4, 35, 35 1/4, 35 1/2, 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41 C 2480	Clutch rebuild kit, type Auto 6 truck cpte w rebuild manual	-	1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Eng. Stock No.	AMERICAN		BRITISH		Ech. Set No.		Ech. Set No.
	DESIGNATION	Ech. Set No.	Section Part	DESIGNATION	3	4	
40 D 1837	Drill twist HSS STGHT SHK 5/8 in.	2	LV6T12 R184	5/8	2	4	
38	41/64	1		21/32	1	2	
39	21/32	1	17419				
40	43/64	1		11/16	2	2	
41	11/16	2		23/32	1	2	
42	45/64	1					
43	23/32	1	8168				
44	47/64	1		3/4	2	4	
45	3/4	2	8171				
40 D 1880	do. wire gage 1-60 incl set	2	FA 1316/1360	Drills to par. shk. 1/32 wire			
40 D 1930	Drill twist HSS taper shk 33/64 in	1	LV6T2A 8177	Drills to c.s. coarse taper shk.			
31	17/32	-					
32	35/64	-					
33	9/16	-	8114	9/16			
34	37/64	-		19/32			
35	19/32	-	8118				
36	39/64	-		5/8			
37	5/8	-	8123				
38	41/64	-		21/32			
39	21/32	-	8122				
40	43/64	-		11/16			
41	11/16	-	8121				
42	45/64	-	8128	23/32			
43	23/32	-		3/4			
44	47/64	-	8130				
45	3/4	-		25/32			
46	49/64	-	8129				
47	25/32	-		13/16			
48	51/64	-	8124				
49	13/16	-		27/32			
50	53/64	-	8131				
51	27/32	-		7/8			
52	55/64	-	8126				
53	7/8	-		29/32			
54	57/64	-	8127				
55	29/32	-		15/16			
56	59/64	-	8140				
57	15/16	-		31/32			
58	51/64	-	8142				
59	31/32	-		1 in.			
60	63/64	-	8144				
61	1 inch	-					
41 D 195	Die anature rethreading	1					
41 D 200	Die exl's rethreading 5/8 x 1/4 inch	1					
41 D 1910	Dresser cont. ct. joint, flexible	100					
41 D 1925	Dresser every wheel & cutter type	1					

4823

4523

AMERICAN

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Part No.	DESCRIPTION	3	4	5	Part No.	DESIGNATION	Ech. Set. No.
17 F 1850	Filler, battery, syn. gasol. zap.	1	2		LV6NTA 144059	Syringes battery filling	2 2 -
21 F 540	Figure, stamping, 1/8" x 1/8" square	1	1		FA 5150	Stamps steel 5/84 0-8	1 1 -
41 F 1575	File, thread restorer	2	4				
41 F 2550	Filler, piston rings, unlv. type	-	1				
41 F 2000	Filler, hdlc. brake, master cyl.	2	-				
41 F 2002	Filler, hdlc. brake, master cyl. pressure feed	1	1				
41 F 2002	Filler, blacksmith's, square	-	1		FA 1824	Flatters	- 1 -
41 F 3155	Forger, blacksmith's part, w/hammer attachment	1	-		LV6NT2 17545	Forges portable 32x26"	1 1 -
41 F 3502	Fuller, blacksmith's bottom, sq. shk. 1/4 in.	-	1		FA 1847	Fullers bottom small shank 1/2"	- 1 -
41 F 3503	Fuller, blacksmith's top, handled	1	-		FA 1855	Fullers Top 1/2"	- 1 -
41 F 3515	Fuller, blacksmith's, top, handled	1	-				
41 F 3516	do. 1 in.	-	1				
41 F 3520	do. 2 in.	-	1				
41 F 3500	Funnel, reinforced about 8. over 1/2	2	-		LV6NT1/3197	Funnels garage patt	1 2 -
41 F 3502	Funnel with flexible tube 1 no. 1	2	-				
41 F 3503	Funnel, 2 quart	1	2		KE 3607	Measures oil 1/2 gall.	1 2 -
8 G 675	Gauge, tire pressure, non-serv. type	1	-				
8 G 650	Gauge, tire pressure, precision type	1	2		LV6NT1/27541	Gauges tyre 0/50 lbs.	1 2 -
17 G 1874	Generator, 1/2 hp, 120 volt, 60 cps, single phase	-	2				
17 G 2015	Generator, 1/2 hp, 120 volt, 60 cps, single phase	1	1				
17 G 2015	Generator, 1/2 hp, 120 volt, 60 cps, single phase	1	-				
17 G 5040	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	1	2				
17 G 2010	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	-	1		LV6NT1 27197	Grinders asbestos 14 in for acetylene welders	- 4 -
17 G 1455	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	2	4				
17 G 3704	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	-	4				
40 G 100	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	-	2				
40 G 103	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	-	2				
40 G 128	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	1	2				
40 G 131	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	-	1				
40 G 142-5	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	1	-		LV6NT2 4075	Grinders tool bench 9" wheel	1 - -
40 G 144-5	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	-	2				
40 G 149	Grinder, 1/2 hp, 120 volt, 60 cps, single phase	-	1				

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Fullers bottom small shank 1/2"	EX 1847	Fullers Top 1/2"	Fullers Top 1/2"
41 F 3503	sq. shk. 3/4 in.	1	1
41 F 3514	Fuller, blacksmith's, top, handled	1	1
41 F 3515	Fuller, blacksmith's, top, handled	1	1
41 F 3516	do. 1 lb.	1	1
41 F 3520	do. 7 in.	1	1
41 F 3530	Funnel, reinforced spout 8 quart	2	1 2
41 F 3592	Funnel with flexible tube 1 qt. 1	2	1 2
41 F 3593	Funnel 2 quart	1 2	1 2
8 0 515	Gas-tight pressure, cat. served	1	1
8 0 630	Gage, tire pressure, precision	1 2	1 2
17 0 1271	Generator, 500 watt, 115 volt, 1/4 hp, 1/2 in. shaft	2	1
17 0 2015	Generator, 1/2 hp, 115 volt, 1/2 in. shaft	1 1	1
17 0 2035	Generator, 1/2 hp, 115 volt, 1/2 in. shaft	1	1
17 0 5040	Generator, 1/2 hp, 115 volt, 1/2 in. shaft	1 2	1
37 0 2209	Clay, welders', heavy leather	1	1
37 0 2455	Clay, welders', eye cap, with	2 4	4
37 0 2704	Clay, welders', eye cap, with	4	4
40 0 100	Grinder, brake lining, only, part.	2	2
40 0 103	Grinder, for connecting rods, plate	2	2
40 0 128	Grinder, plate, part, serial with	1 2	1
40 0 131	Grinder, plate, part, serial with	1	1
40 0 142-5	Grinder, chest bench 7x18 wheels	4	4
40 0 144-5	Grinder, elec. bench 18x18 wheels	1	1
40 0 149	Grinder, elec. can grinding 1/2 in.	1	1
40 0 151	Grinder, elec. bench capacity	2	2
40 0 165	Grinder, elec. part, full, part	1	1
40 0 168	Grinder, elec. surface, 17 lb	1	1
40 0 475	Gun air blow cleaning	4 4	4
40 0 498	Gun, tube, air, high pressure	1 2	1
40 0 502	Gun tube, air operated 75 lb cap	2	2
41 0 509	Gun, paint spray system feed 7 cu	1	1
41 0 510	Gun, paint spray system feed 7 cu	1	1
41 0 511	Gun, paint spray system feed 7 cu	1	1
41 0 512	Gun, paint spray system feed 7 cu	1	1
41 0 513	Gun, paint spray system feed 7 cu	1	1
41 0 514	Gun, paint spray system feed 7 cu	1	1
41 0 515	Gun, paint spray system feed 7 cu	1	1
41 0 516	Gun, paint spray system feed 7 cu	1	1
41 0 517	Gun, paint spray system feed 7 cu	1	1
41 0 518	Gun, paint spray system feed 7 cu	1	1
41 0 519	Gun, paint spray system feed 7 cu	1	1
41 0 520	Gun, paint spray system feed 7 cu	1	1
41 0 521	Gun, paint spray system feed 7 cu	1	1
41 0 522	Gun, paint spray system feed 7 cu	1	1
41 0 523	Gun, paint spray system feed 7 cu	1	1
41 0 524	Gun, paint spray system feed 7 cu	1	1
41 0 525	Gun, paint spray system feed 7 cu	1	1
41 0 526	Gun, paint spray system feed 7 cu	1	1
41 0 527	Gun, paint spray system feed 7 cu	1	1
41 0 528	Gun, paint spray system feed 7 cu	1	1
41 0 529	Gun, paint spray system feed 7 cu	1	1
41 0 530	Gun, paint spray system feed 7 cu	1	1
41 0 531	Gun, paint spray system feed 7 cu	1	1
41 0 532	Gun, paint spray system feed 7 cu	1	1
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41 0 557	Gun, paint spray system feed 7 cu	1	1
41 0 558	Gun, paint spray system feed 7 cu	1	1
41 0 559	Gun, paint spray system feed 7 cu	1	1
41 0 560	Gun, paint spray system feed 7 cu	1	1
41 0 561	Gun, paint spray system feed 7 cu	1	1
41 0 562	Gun, paint spray system feed 7 cu	1	1
41 0 563	Gun, paint spray system feed 7 cu	1	1
41 0 564	Gun, paint spray system feed 7 cu	1	1
41 0 565	Gun, paint spray system feed 7 cu	1	1
41 0 566	Gun, paint spray system feed 7 cu	1	1
41 0 567	Gun, paint spray system feed 7 cu	1	1
41 0 568	Gun, paint spray system feed 7 cu	1	1
41 0 569	Gun, paint spray system feed 7 cu	1	1
41 0 570	Gun, paint spray system feed 7 cu	1	1
41 0 571	Gun, paint spray system feed 7 cu	1	1
41 0 572	Gun, paint spray system feed 7 cu	1	1
41 0 573	Gun, paint spray system feed 7 cu	1	1
41 0 574	Gun, paint spray system feed 7 cu	1	1
41 0 575	Gun, paint spray system feed 7 cu	1	1
41 0 576	Gun, paint spray system feed 7 cu	1	1
41 0 577	Gun, paint spray system feed 7 cu	1	1
41 0 578	Gun, paint spray system feed 7 cu	1	1
41 0 579	Gun, paint spray system feed 7 cu	1	1
41 0 580	Gun, paint spray system feed 7 cu	1	1
41 0 581	Gun, paint spray system feed 7 cu	1	1
41 0 582	Gun, paint spray system feed 7 cu	1	1
41 0 583	Gun, paint spray system feed 7 cu	1	1
41 0 584	Gun, paint spray system feed 7 cu	1	1
41 0 585	Gun, paint spray system feed 7 cu	1	1
41 0 586	Gun, paint spray system feed 7 cu	1	1
41 0 587	Gun, paint spray system feed 7 cu	1	1
41 0 588	Gun, paint spray system feed 7 cu	1	1
41 0 589	Gun, paint spray system feed 7 cu	1	1
41 0 590	Gun, paint spray system feed 7 cu	1	1
41 0 591	Gun, paint spray system feed 7 cu	1	1
41 0 592	Gun, paint spray system feed 7 cu	1	1
41 0 593	Gun, paint spray system feed 7 cu	1	1
41 0 594	Gun, paint spray system feed 7 cu	1	1
41 0 595	Gun, paint spray system feed 7 cu	1	1
41 0 596	Gun, paint spray system feed 7 cu	1	1
41 0 597	Gun, paint spray system feed 7 cu	1	1
41 0 598	Gun, paint spray system feed 7 cu	1	1
41 0 599	Gun, paint spray system feed 7 cu	1	1
41 0 600	Gun, paint spray system feed 7 cu	1	1

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Part No.	DESCRIPTION	QTY	Sec. Part No.	QTY	Eq. Pl. No.
41 G 105	Gage, temp., for contact points, brushes calibrated to 180 in. 2 oz. graduations comp. w/ push rod & hook.	1	2		
41 G 122	Gage, cyl. dial type 2, 3/16 in. to 5 in.	-	1		
41 G 124	Gage, cyl. compression, cyl. type w/ rubber fitting for all size spark plug holes, also fitting for car-over-engine type vehicles	2	2		
41 G 205	Gage, hydral. brake cyl. no. w/ univ. sizes 7/8 to 2 in. set	-	1		
41 G 278	Gage, screw pitch 51 pitches 4-84 threads per inch	-	2		
41 G 236	Gage, snap adjust limit wrench 1/2 to 1 in. model A size	2	12		
41 G 407	Gage thickness in 12 in strips, set	1	1		
41 G 455	Gage, twist drill rect. 1/16 - 3/4 in X 8ths	1	1		
41 G 460	Gage twist drill and drill rod rect. Nos 1 to 1 1/2	1	1		
41 G 500	Gage combination vacuum & pressure	2	2		
41 G 510	Gage wheel aligning for correcting toe-in	2	2		
41 G 915	Grinder wheel hand universal type	1	4		
41 G 1230	Gage, lubr lever type high pressure	1	2		
41 G 1230	Gage, lubr lever type low pressure 1 lb.	-	2		
41 G 1234	Gage, lubr push type high pressure (water pump)	1	2		
41 G 1234	Gage, lubr push type med pressure (wheel bearing)	-	2		
41 G 1265	Gage, lubr. hand op. oil, suction type cap. 10 oz. w/ gage, neck and flex nozzle (diff. pressure and transmission)	1	2		
41 G 1270	Gage, lubr hand operated oil suction type capacity 9 oz complete w/ 800 nozzle and flex nozzle (shock absorber)	1	1		
41 G 1425	Gage, lubr pump bucket, low pressure with flex hose 25 lbs. capacity	1	2		
18 H 940	Hydrometer, anti freeze sol. De-natured alcohol glycerine & eth. glycol	2	2		
18 H 1240	Hydrometer, battery testing complete with box	2	6		
33 H 170	Mass air 1/4 in. I.D., 25 foot length	6	20		
33 H 1000	Hose, water, braided type, 3/4 in., 50 foot length	1	1		
37 H 1050	Helmet, welding, filter glass shade 10	2	2		
41 H 126	Hammer, blacksmiths, hand (set, hammer) w/ hdi.	1	2		
41 H 1502	Handle, gage bracket wrench, hinged, 1 in. sq. drive length 8 in.	1	8		
41 H 1510	Handle, welding, iron.	2	4		
41 H 1561	Hardie, blacksmiths sq. shank, 3/4 in. shank, 1, 1/8 in.	1	1		
do. 1564	do.	-	1		
do. 1632	Hatchet, claw, width at cutting edge, size 7 1/4 and 10, set	1	1		
do. 2122	Hoist chain 1, 1 ten cap, spur gear	-	2		
do. 2183	trailer chain, 1100 cap, spur gear	1	2		
41 I 100	Indicator, test, univ. dial type	1	1		
do. 130	Wheel alignment part.	1	1		

4621

4821

[illegible]

Fedl. Stock No.	AVENUE	DESIGNATION	Ech. Set No.					Ech. Set No.
			3	4	5	Sec. Part No.	DESIGNATION	
do. 1540	Plate, bench, sheet metal workers'		1	1				3
do. 1555-35	" press, special front pinion bear remover				1			4
do. 1563	Plate, press removing camshaft gear				1			5
do. 1565	Plate, surface, set iron, size 7 1/2 in. x 18		1					
do. 1572	Pliers, brake key & snap ring		2	4				
do. 1590	do. spring		2	4				
do. 1596	do., spark plug, tire band crimping		1					
do. 2110	Plug, regulator, test, rubber, set of two (2) 3/8 in. x 1/2 in. x 1/2 in. set		2	2				
do. 2233	Poker blacksmiths'			1		FA 3567	Poker smiths	
do. 2400	Pot, fire, gasoline, 1 gall. cap.			2				
do. 2730	Press, hydrl. connecting rod			1				
do. 2740	do., 5/16 in. cap. compl. w/ rack, pinion & ring gear riveting attacks			1				
do. 2805	Puller, gear, w/ univ. plates & dies for elec. units.		1	1				
do. 2905-00	Puller, set, bearing race, roller type, for pulling & pushing gears, bearings, etc. 1							
do. 2910	Puller, gear, univ. type, large, 1 1/2 in. cap. compl. extra pair of 10 in. jaws		1	1				
do. 2911	Puller, gear, univ. type medium, revers. jaw 8 1/2 in. cap.		1	2	1			
do. 2912	do. seal, 0 to 5 in. cap.		1	2				
do. 2950	Puller, rail, 18 in.			2				
do. 2952	Puller, steering gear, gear, univ. type passenger car light truck		1	1				
do. 2954	Puller, steering wheel, univ. type		1	2				
do. 2957	Puller, univ. slide hammer type, revers. 3 jaw, puts, range 1/2 to 1 1/2 in. x 1/2 in.		1	2				
do. 3098	Punch-set, blacksmiths', round, hand, set			1		FA 3603	Punches centre 5 in.	
do. 3128	do. square			1		FA 3657	do. round 1 1/4 in.	
do. 3600	Punch, drive, pin, polished faces & heads 1 1/2 in.		3					
do. 3601	do. 3/32 in.		3			FA 3601	Punch centre 5 in.	
do. 3602	do. 1/8 in.		3			FA 3659	" Round 1 1/8 in.	
do. 3606	do. 3/16 in.		3			3657	" " 1/4	
do. 3608	do. 1/4 in.		3			3659	" " 1/2	
do. 3609	do. 5/16 in.		3					
do. 3608	do. 3/8 in.		3					
do. 3724	Punch, set, hollow, w/ mandrel 1/4 in. to 5/8 in.		1					
do. 2777	Punches, port. hand, lever type, set				1			
FA 9 2150	Pot, stock, steel, 20 in. w/ side handles over 1/2 in. hold liquid for heating m.s.				1			
21 R 418	Rope, Manila or sisal, 1 1/2 in. diam. 1 ft.			300		LYS 111 1625	Cordage hemp 1 in.	
41 R 486	Reamer, carbon steel, camshaft bearing.				1			
do. 1708	Reamer, carbon steel, camshaft bearing.				1	LYS 112 46536	Reamer hand w/ section steel insets 1 1/2 in. x 1 1/2 in.	
do. 2775	Reamer, cyl. ricope, 2 1/2 in. dia. to 5 1/2 in. cap.		1	1				
do. 2730	" valve stem, adj. 5/16 in. to 1 1/2 in.			2				

4619

do. 2480	Pot, fire, gasoline, 1 gall. cap.	-	2	-	-	-	-	-	-
do. 2720	Presc. hyd. connecting rod	-	1	-	-	-	-	-	-
do. 2740	do. 60 ton cap. compl. w/ crack, pinion & ring gear riveting attacks	-	1	-	-	-	-	-	-
do. 2805	Puller, bear, w/ univ. plate & dies for elec. units.	-	1	-	-	-	-	-	-
do. 2805-50	Puller set, bearing race, valve type for pulling & pushing gears bearings, etc.	-	1	-	-	-	-	-	-
do. 2810	Puller, gear, univ. type, large, 12 in. cap. compl. w/ extra pair of jaws	-	1	-	-	-	-	-	-
do. 2811	Puller, gear, univ. type medium, revar. for 8 in. cap.	-	1	-	-	-	-	-	-
do. 2812	do. small, 0 to 6 in. cap.	-	1	-	-	-	-	-	-
do. 2850	Puller, rail, 18 in.	-	2	-	-	-	-	-	-
do. 2852	Puller, steering gear, univ. type passenger car w/ out truck	-	1	-	-	-	-	-	-
do. 2854	Puller, steering wheel, univ. type	-	1	-	-	-	-	-	-
do. 2857	Puller, univ. slide hammer, type, revar. 3 lbs. pull range 0 to 3 in., lbs. range 1 1/4 to 3 1/2 in.	-	1	-	-	-	-	-	-
do. 2880	Punch-set, blacksmith, round, hand, set	-	1	-	-	-	-	-	-
do. 2886	do. square.	-	1	-	-	-	-	-	-
do. 2890	Punch, drive, pin, polished faces & heads 1 1/8 in.	-	3	-	-	-	-	-	-
do. 2891	do. 3/32 in.	-	3	-	-	-	-	-	-
do. 2892	do. 1/8 in.	-	3	-	-	-	-	-	-
do. 2896	do. 3/16 in.	-	3	-	-	-	-	-	-
do. 2898	do. 1/4 in.	-	3	-	-	-	-	-	-
do. 2899	do. 5/16 in.	-	3	-	-	-	-	-	-
do. 2908	do. 3/8 in.	-	3	-	-	-	-	-	-
do. 2924	Punch, set, hollow, w/ mandrel 1/4 in. to 5/8 in.	-	1	-	-	-	-	-	-
do. 2977	Punches, port. hand, lever type, set	-	-	-	-	-	-	-	-
do. 2980	Pnt. stock, steel, 20 in. w/ side handles covered to hold fluid for heating p/s.	-	-	-	-	-	-	-	-
21 R 418	Rope, manila or sisal, lin. diam. 1/4 in.	-	300	-	-	-	-	-	-
41 R 408	Reamer, carbon steel, shaft bearing.	-	-	-	-	-	-	-	-
do. 2920	do. hand, expansion, in sets, cap. 0.730 to 1.03 in.	-	-	-	-	-	-	-	-
do. 2775	Reamer, cyl. ridge, 2 11/16 in. to 5 in. cap.	-	1	-	-	-	-	-	-
do. 2230	" , valve stem, adj. 5/16 in. to 1 1/2 in.	-	2	-	-	-	-	-	-
do. 2280	" , high speed, steel blades, hand, adj. straight shank, set.	-	1	-	-	-	-	-	-
41 R 2230	Reamer, valve stem, adj. 5/16 in. to 1 1/2 in.	-	2	-	-	-	-	-	-
do. 2322	do. guide 1 1/2 in. to 3/8	-	2	-	-	-	-	-	-
do. 2335	Regulator, air, for radiator test, w/ 20 lb. pressure gage.	-	1	-	-	-	-	-	-
do. 2369-100	Remover, clutch bushing (set)	-	1	-	-	-	-	-	-
do. 2375-905	" , 3 in. gages, gray type sizes ins. diam. 1/4 to 1 1/2 in. bushing set	-	1	-	-	-	-	-	-
do. 3378	Reamer, 2 replacer, jack ring, 20 in. long for 1 1/2 in. stone 88 x 81 ribs	-	1	-	-	-	-	-	-
do. 2391 54	Replacer, valve lock key	-	3	-	-	-	-	-	-
40 S 26	Sender, elec. port	-	1	-	-	-	-	-	-
do. 1325	Saw, hack, set, set-driven	-	1	-	-	-	-	-	-

4613

- 25 FPS

8497

do. 580	Scraper, valve guide hole, adj. type	6	4	-	-	-	-	-	-
do. 590	Scraper, headlight, adj. chart, 10 ft. side x 1/2 in. high	1	-	-	-	-	-	-	-
do. 1610	Screwdriver, recessed screw set.	2	4	-	-	-	-	-	-
do. 2370	Settler & Extractor, stud, cap. 2/16 in. 1/4 in.	-	-	-	-	-	-	-	-
do. 2390	do. stud, socket wrench, 1 in. sq. drive, 5/16 in. 1/8 in.	2	6	-	-	-	-	-	-
do. 2855	Shears, slitting, lever type 2/16 in. cap.	-	-	-	-	-	-	-	-
do. 3010	Shovel, blacksmiths'	-	-	-	-	-	-	-	-
do. 3712	Slip, cross peen, x/handl.	1	2	-	-	-	-	-	-
do. 3716	do. 12 lb.	1	2	-	-	-	-	-	-
do. 4025	Spout, can, for one or five qt. oil cans	2	-	-	-	-	-	-	-
do. 4162	Spreader, tire, hddic. foot operated	1	2	-	-	-	-	-	-
do. 4541	Square, cobbling, x/couler & bowl pretractor, 12 in.	-	-	-	-	-	-	-	-
do. 4760	Stake, sheet metal workers', breakhorn	-	-	-	-	-	-	-	-
do. 4765	do. blowhorn	-	-	-	-	-	-	-	-
do. 4775	do. candle weld.	-	-	-	-	-	-	-	-
do. 4780	do. creasing	-	-	-	-	-	-	-	-
do. 4805	do. sandrel	-	-	-	-	-	-	-	-
do. 4822	Stand, ect. front & rear univ.	-	-	-	-	-	-	-	-
do. 4942-13	Stand, engine overhaul	-	-	-	-	-	-	-	-
do. 4980	Stand, transmission & transfer case, comp. 5/caniers & brackets	-	-	-	-	-	-	-	-
do. 4985	Stand, engine, hy-duty; univ. for 6 & 8 cyl. inline engines	-	-	-	-	-	-	-	-
do. 5070	Straight edge, steel, perching, 18 in. x 1/2 in. x 1/2 in. width, thickness 1/8 in.	-	-	-	-	-	-	-	-
do. 5010	Stripper and Cutter, for high & low tension cable	1	2	-	-	-	-	-	-
do. 5025	Super-structure, hoist (for wrecker truck)	1	2	-	-	-	-	-	-
do. 5067	Swages, blacksmiths' bottom, sq. shank	-	-	-	-	-	-	-	-
do. 5083	do. top, handled	-	-	-	-	-	-	-	-
do. 51910	Stencil-cut, brass, adj. files, 2 letters 1/2 in. characters	1	2	-	-	-	-	-	-
do. 21820	do. height of chairs, 2 ft.	-	-	-	-	-	-	-	-
do. 21930	do. 4 in. characters	1	-	-	-	-	-	-	-
do. 5505	Tester, battery, univ. type	1	2	-	-	-	-	-	-
do. 5520	Tester, ignition circuit, high tension system	1	2	-	-	-	-	-	-
do. 5540	Tester, distributor (motor driven)	-	-	-	-	-	-	-	-
do. 5575	Tester, low volt. circuit, for testing voltage reg. starters, generators & sirings.	1	2	-	-	-	-	-	-
do. 230	Technometer, engine, electric.	1	1	-	-	-	-	-	-
do. 695	Thermometer, around Fahrenheit scale 12 in. long, 60 divisions	-	-	-	-	-	-	-	-
do. 112	Tank, water, collapsible	1	2	-	-	-	-	-	-
do. 725	Tool, armature turning and undercutting	1	-	-	-	-	-	-	-
do. 170	Tape, measuring 50 ft. 3/8 in. side	1	2	-	-	-	-	-	-

Square, fitters

FA 5016

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4618

9

AMERICAN

Ech. Set. No.

DESIGNATION

Fedl. Stock

DESIGNATION

Sec. Part. No.

Ech. Set. No.

DESIGNATION

Fedl. Stock

3 4 5

3 4 5

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3 4 5

41 1344 1/2" handtrip, screw thread, branch
pitch 1.5 mm.

do. 140 do. 14 mm. pitch 2.0 mm.

do. 180 do. 18 mm. pitch 2.5 mm.

41 1500 Tester, valve & clutch spring, univ.

do. 1895 Threading set, bolt & screw, consist in
4 dies and taps, 1/4, 1/2, 3/4, 1 in.

do. 1895 Threading set, machine screw, sizes to
consist of 10 dies and 10 taps, 1/4, 1/2, 3/4, 1 in.
pitch 1.5 mm. each die and tap
10-24, 10-32, 10-40, 10-48, 10-60, 10-72, 10-84, 10-96, 10-108, 10-120, 10-144, 10-168, 10-192, 10-216, 10-240, 10-270, 10-300, 10-324, 10-360, 10-396, 10-432, 10-480, 10-528, 10-576, 10-630, 10-684, 10-744, 10-810, 10-880, 10-960, 10-1040, 10-1120, 10-1200, 10-1280, 10-1360, 10-1440, 10-1520, 10-1600, 10-1680, 10-1760, 10-1840, 10-1920, 10-2000, 10-2080, 10-2160, 10-2240, 10-2320, 10-2400, 10-2480, 10-2560, 10-2640, 10-2720, 10-2800, 10-2880, 10-2960, 10-3040, 10-3120, 10-3200, 10-3280, 10-3360, 10-3440, 10-3520, 10-3600, 10-3680, 10-3760, 10-3840, 10-3920, 10-4000, 10-4080, 10-4160, 10-4240, 10-4320, 10-4400, 10-4480, 10-4560, 10-4640, 10-4720, 10-4800, 10-4880, 10-4960, 10-5040, 10-5120, 10-5200, 10-5280, 10-5360, 10-5440, 10-5520, 10-5600, 10-5680, 10-5760, 10-5840, 10-5920, 10-6000, 10-6080, 10-6160, 10-6240, 10-6320, 10-6400, 10-6480, 10-6560, 10-6640, 10-6720, 10-6800, 10-6880, 10-6960, 10-7040, 10-7120, 10-7200, 10-7280, 10-7360, 10-7440, 10-7520, 10-7600, 10-7680, 10-7760, 10-7840, 10-7920, 10-8000, 10-8080, 10-8160, 10-8240, 10-8320, 10-8400, 10-8480, 10-8560, 10-8640, 10-8720, 10-8800, 10-8880, 10-8960, 10-9040, 10-9120, 10-9200, 10-9280, 10-9360, 10-9440, 10-9520, 10-9600, 10-9680, 10-9760, 10-9840, 10-9920, 10-10000

do. 1925 Threading set, bolt & screw, consist in
4 dies and taps, 1/4, 1/2, 3/4, 1 in.

do. 2023 Threading set, pipe, National taper pipe, the
pipe thread, 1/2, 3/4, 1 in. inclusive, die
to consist of one each tap and die
for pipe sizes 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4, 4 1/4, 4 1/2, 4 3/4, 5, 5 1/4, 5 1/2, 5 3/4, 6, 6 1/4, 6 1/2, 6 3/4, 7, 7 1/4, 7 1/2, 7 3/4, 8, 8 1/4, 8 1/2, 8 3/4, 9, 9 1/4, 9 1/2, 9 3/4, 10, 10 1/4, 10 1/2, 10 3/4, 11, 11 1/4, 11 1/2, 11 3/4, 12, 12 1/4, 12 1/2, 12 3/4, 13, 13 1/4, 13 1/2, 13 3/4, 14, 14 1/4, 14 1/2, 14 3/4, 15, 15 1/4, 15 1/2, 15 3/4, 16, 16 1/4, 16 1/2, 16 3/4, 17, 17 1/4, 17 1/2, 17 3/4, 18, 18 1/4, 18 1/2, 18 3/4, 19, 19 1/4, 19 1/2, 19 3/4, 20, 20 1/4, 20 1/2, 20 3/4, 21, 21 1/4, 21 1/2, 21 3/4, 22, 22 1/4, 22 1/2, 22 3/4, 23, 23 1/4, 23 1/2, 23 3/4, 24, 24 1/4, 24 1/2, 24 3/4, 25, 25 1/4, 25 1/2, 25 3/4, 26, 26 1/4, 26 1/2, 26 3/4, 27, 27 1/4, 27 1/2, 27 3/4, 28, 28 1/4, 28 1/2, 28 3/4, 29, 29 1/4, 29 1/2, 29 3/4, 30, 30 1/4, 30 1/2, 30 3/4, 31, 31 1/4, 31 1/2, 31 3/4, 32, 32 1/4, 32 1/2, 32 3/4, 33, 33 1/4, 33 1/2, 33 3/4, 34, 34 1/4, 34 1/2, 34 3/4, 35, 35 1/4, 35 1/2, 35 3/4, 36, 36 1/4, 36 1/2, 36 3/4, 37, 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do. 1975	Threading set, bolt & screw, consist. of dies & taps, R.F. 1 7/16 to 1 in.	1	1	-	
do. 2023	Threading set, pipe, National taper pipe the pipe threaded, 1 1/2 in. inclusive, to consist of one each cap & fd die for pipe sizes 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000, 1002, 1004, 1006, 1008, 1010, 1012, 1014, 1016, 1018, 1020, 1022, 1024, 1026, 1028, 1030, 1032, 1034, 1036, 1038, 1040, 1042, 1044, 1046, 1048, 1050, 1052, 1054, 1056, 1058, 1060, 1062, 1064, 1066, 1068, 1070, 1072, 1074, 1076, 1078, 1080, 1082, 1084, 1086, 1088, 1090, 1092, 1094, 1096, 1098, 1100, 1102, 1104, 1106, 1108, 1110, 1112, 1114, 1116, 1118, 1120, 1122, 1124, 1126, 1128, 1130, 1132, 1134, 1136, 1138, 1140, 1142, 1144, 1146, 1148, 1150, 1152, 1154, 1156, 1158, 1160, 1162, 1164, 1166, 1168, 1170, 1172, 1174, 1176, 1178, 1180, 1182, 1184, 1186, 1188, 1190, 1192, 1194, 1196, 1198, 1200, 1202, 1204, 1206, 1208, 1210, 1212, 1214, 1216, 1218, 1220, 1222, 1224, 1226, 1228, 1230, 1232, 1234, 1236, 1238, 1240, 1242, 1244, 1246, 1248, 1250, 1252, 1254, 1256, 1258, 1260, 1262, 1264, 1266, 1268, 1270, 1272, 1274, 1276, 1278, 1280, 1282, 1284, 1286, 1288, 1290, 1292, 1294, 1296, 1298, 1300, 1302, 1304, 1306, 1308, 1310, 1312, 1314, 1316, 1318, 1320, 1322, 1324, 1326, 1328, 1330, 1332, 1334, 1336, 1338, 1340, 1342, 1344, 1346, 1348, 1350, 1352, 1354, 1356, 1358, 1360, 1362, 1364, 1366, 1368, 1370, 1372, 1374, 1376, 1378, 1380, 1382, 1384, 1386, 1388, 1390, 1392, 1394, 1396, 1398, 1400, 1402, 1404, 1406, 1408, 1410, 1412, 1414, 1416, 1418, 1420, 1422, 1424, 1426, 1428, 1430, 1432, 1434, 1436, 1438, 1440, 1442, 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2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2138, 2140, 2142, 2144, 2146, 2148, 2150, 2152, 2154, 2156, 2158, 2160, 2162, 2164, 2166, 2168, 2170, 2172, 2174, 2176, 2178, 2180, 2182, 2184, 2186, 2188, 2190, 2192, 2194, 2196, 2198, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2214, 2216, 2218, 2220, 2222, 2224, 2226, 2228, 2230, 2232, 2234, 2236, 2238, 2240, 2242, 2244, 2246, 2248, 2250, 2252, 2254, 2256, 2258, 2260, 2262, 2264, 2266, 2268, 2270, 2272, 2274, 2276, 2278, 2280, 2282, 2284, 2286, 2288, 2290, 2292, 2294, 2296, 2298, 2300, 2302, 2304, 2306, 2308, 2310, 2312, 2314, 2316, 2318, 2320, 2322, 2324, 2326, 2328, 2330, 2332, 2334, 2336, 2338, 2340, 2342, 2344, 2346, 2348, 2350, 2352, 2354, 2356, 2358, 2360, 2362, 2364, 2366, 2368, 2370, 2372, 2374, 2376, 2378, 2380, 2382, 2384, 2386, 2388, 2390, 2392, 2394, 2396, 2398, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2466, 2468, 2470, 2472, 2474, 2476, 2478, 2480, 2482, 2484, 2486, 2488, 2490, 2492, 2494, 2496, 2498, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 2536, 2538, 2540, 2542, 2544, 2546, 2548, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2568, 2570, 2572, 2574, 2576, 2578, 2580, 2582, 2584, 2586, 2588, 2590, 2592, 2594, 2596, 2598, 2600, 2602, 2604, 2606, 2608, 2610, 2612, 2614, 2616, 2618, 2620, 2622, 2624, 2626, 2628, 2630, 2632, 2634, 2636, 2638, 2640, 2642, 2644, 2646, 2648, 2650, 2652, 2654, 2656, 2658, 2660, 2662, 2664, 2666, 2668, 2670, 2672, 2674, 2676, 2678, 2680, 2682, 2684, 2686, 2688, 2690, 2692, 2694, 2696, 2698, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2714, 2716, 2718, 2720, 2722, 2724, 2726, 2728, 2730, 2732, 2734, 2736, 2738, 2740, 2742, 2744, 2746, 2748, 2750, 2752, 2754, 2756, 2758, 2760, 2762, 2764, 2766, 2768, 2770, 2772, 2774, 2776, 2778, 2780, 2782, 2784, 2786, 2788, 2790, 2792, 2794, 2796, 2798, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2818, 2820, 2822, 2824, 2826, 2828, 2830, 2832, 2834, 2836, 2838, 2840, 2842, 2844, 2846, 2848, 2850, 2852, 2854, 2856, 2858, 2860, 2862, 2864, 2866, 2868, 2870, 2872, 2874, 2876, 2878, 2880, 2882, 2884, 2886, 2888, 2890, 2892, 2894, 2896, 2898, 2900, 2902, 2904, 2906, 2908, 2910, 2912, 2914, 2916, 2918, 2920, 2922, 2924, 2926, 2928, 2930, 2932, 2934, 2936, 2938, 2940, 2942, 2944, 2946, 2948, 2950, 2952, 2954, 2956, 2958, 2960, 2962, 2964, 2966, 2968, 2970, 2972, 2974, 2976, 2978, 2980, 2982, 2984, 2986, 2988, 2990, 2992, 2994, 2996, 2998, 3000, 3002, 3004, 3006, 3008, 3010, 3012, 3014, 3016, 3018, 3020, 3022, 3024, 3026, 3028, 3030, 3032, 3034, 3036, 3038, 3040, 3042, 3044, 3046, 3048, 3050, 3052, 3054, 3056, 3058, 3060, 3062, 3064, 3066, 3068, 3070, 3072, 3074, 3076, 3078, 3080, 3082, 3084, 3086, 3088, 3090, 3092, 3094, 3096, 3098, 3100, 3102, 3104, 3106, 3108, 3110, 3112, 3114, 3116, 3118, 3120, 3122, 3124, 3126, 3128, 3130, 3132, 3134, 3136, 3138, 3140, 3142, 3144, 3146, 3148, 3150, 3152, 3154, 3156, 3158, 3160, 3162, 3164, 3166, 3168, 3170, 3172, 3174, 3176, 3178, 3180, 3182, 3184, 3186, 3188, 3190, 3192, 3194, 3196, 3198, 3200, 3202, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3218, 3220, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3238, 3240, 3242, 3244, 3246, 3248, 3250, 3252, 3254, 3256, 3258, 3260, 3262, 3264, 3266, 3268, 3270, 3272, 3274, 3276, 3278, 3280, 3282, 3284, 3286, 3288, 3290, 3292, 3294, 3296, 3298, 3300, 3302, 3304, 3306, 3308, 3310, 3312, 3314, 3316, 3318, 3320, 3322, 3324, 3326, 3328, 3330, 3332, 3334, 3336, 3338, 3340, 3342, 3344, 3346, 3348, 3350, 3352, 3354, 3356, 3358, 3360, 3362, 3364, 3366, 3368, 3370, 3372, 3374, 3376, 3378, 3380, 3382, 3384, 3386, 3388, 3390, 3392, 3394, 3396, 3398, 3400, 3402, 3404, 3406, 3408, 3410, 3412, 3414, 3416, 3418, 3420, 3422, 3424, 3426, 3428, 3430, 3432, 3434, 3436, 3438, 3440, 3442, 3444, 3446, 3448, 3450, 3452, 3454, 3456, 3458, 3460, 3462, 3464, 3466, 3468, 3470, 3472, 3474, 3476, 3478, 3480, 3482, 3484, 3486, 3488, 3490, 3492, 3494, 3496, 3498, 3500, 3502, 3504, 3506, 3508, 3510, 3512, 3514, 3516, 3518, 3520, 3522, 3524, 3526, 3528, 3530, 3532, 3534, 3536, 3538, 3540, 3542, 3544, 3546, 3548, 3550, 3552, 3554, 3556, 3558, 3560, 3562, 3564, 3566, 3568, 3570, 3572, 3574, 3576, 3578, 3580, 3582, 3584, 3586, 3588, 3590, 3592, 3594, 3596, 3598, 3600, 3602, 3604, 3606, 3608, 3610, 3612, 3614, 3616, 3618, 3620, 3622, 3624, 3626, 3628, 3630, 3632, 3634, 3636, 3638, 3640, 3642, 3644, 3646, 3648, 3650, 3652, 3654, 3656, 3658, 3660, 3662, 3664, 3666, 3668, 3670, 3672, 3674, 3676, 3678, 3680, 3682, 3684, 3686, 3688, 3690, 3692, 3694, 3696, 3698, 3700, 3702, 3704, 3706, 3708, 3710, 3712, 3714, 3716, 3718, 3720, 3722, 3724, 3726, 3728, 3730, 3732, 3734, 3736, 3738, 3740, 3742, 3744, 3746, 3748, 3750, 3752, 3754, 3756, 3758, 3760, 3762, 3764, 3766, 3768, 3770, 3772, 3774, 3776, 3778, 3780, 3782, 3784, 3786, 3788, 3790, 3792, 3794, 3796, 3798, 3800, 3802, 3804, 3806, 3808, 3810, 3812, 3814, 3816, 3818, 3820, 3822, 3824, 3826, 3828, 3830, 3832, 3834, 3836, 3838, 3840, 3842, 3844, 3846, 3848, 3850, 3852, 3854, 3856, 3858, 3860, 3862, 3864, 3866, 3868, 3870, 3872, 3874, 3876, 3878, 3880, 3882, 3884, 3886, 3888, 3890, 3892, 3894, 3896, 3898, 3900, 3902, 3904, 3906, 3908, 3910, 3912, 3914, 3916, 3918, 3920, 3922, 3924, 3926, 3928, 3930, 3932, 3934, 3936, 3938, 3940, 3942, 3944, 3946, 3948, 3950, 3952, 3954, 3956, 3958, 3960, 3962, 3964, 3966, 3968, 3970, 3972, 3974, 3976, 3978, 3980, 3982, 3984, 3986, 3988, 3990, 3992, 3994, 3996, 3998, 4000, 4002, 4004, 4006, 4008, 4010, 4012, 4014, 4016, 4018, 4020, 4022, 4024, 4026, 4028, 4030, 4032, 4034, 4036, 4038, 4040, 4042, 4044, 4046, 4048, 4050, 4052, 4054, 4056, 4058, 4060, 4062, 4064, 4066, 4068, 4070, 4072, 4074, 4076, 4078, 4080, 4082, 4084, 4086, 4088, 4090, 4092, 4094, 4096, 4098, 4100, 4102, 4104, 4106, 4108, 4110, 4112, 4114, 4116, 4118, 4120, 4122, 4124, 4126, 4128, 4130, 4132, 4134, 4136, 4138, 4140, 4142, 4144, 4146, 4148, 4150, 4152, 4154, 4156, 4158, 4160, 4162, 4164, 4166, 4168, 4170, 4172, 4174, 4176, 4178, 4180, 4182, 4184, 4186, 4188, 4190, 4192, 4194, 4196, 4198, 4200, 4202, 4204, 4206, 4208, 4210, 4212, 4214, 4216, 4218, 4220, 4222, 4224, 4226, 4228, 4230, 4232, 4234, 4236, 4238, 4240, 424				

Stock	AMERICAN	DESIGNATION	Ech. Set.		BRITISH	DESIGNATION	Ech. Set.		No.
			3	4			3	4	
40 V 306	Valve refacer, elect. 5/16 in. to 5/8 in. cap. 110 volt, a.c. current.		1	1					
do. 530	Valve reseater, 110 v. a.c. - d.c., comp.		1	1					
do. 535	Valve reseating outfit, set.		1	1					
do. 800	Vise, drill press, 5 in. jaw opening		1	1					
41 V272	Vise, machinists', bench, swivel nose stationary jaw, width of jaws 3 in.		2	2	LV6HT2 13785	Vise bench fitters parallel jaw, 3 3/4 in.	3	3	12
do. 276	do. swivel base, width of jaws 4 in.		3	12					
do. 280	do. width of jaws 5 in.		1	1					
do. 381	Vise, pipe, chain, 1/4 in. to 5 in. cap.		1	1					
do. 425	Vise, piston, 5 in. cap.		1	1					
do. 505	Vulcanizer, elect. ofe tube		1	1					
do. 515	" valve & tube, for tube rep. and valve replacement.		1	4					
17 W 1715	Welding outfit, elect. arc, 100 volt, d.c. generator, gasoline engine driven		1	1					
40 W 900	Wheel, size 5 in. x 1 1/4 in. arbor hole 3/8 in.		2	2					
do. 980	do. size 5 in. x 1 1/4 in.		1	6					
41 W 459	Branch, all type, drop-forged, length over-all 1 1/4 in., jaw opening 3 3/8 in.		2	2	LV6HT2 8746	Branch adjustable 12 in.	2	2	
do. 610	Branch, box, double offset, long, drive hex 1 1/8 in. x 7/8 in.		1	2					
do. 513	do. 1 1/4 and 1 3/8 in.		1	2					
do. 605	Branch, box, half-moon, starter, 1/2 in. field nut, 5/16 x 5/8 in.		2	2					
do. 520	do. 5/8 x 3/4 in.		2	2					
do. 875	Branch, drain plug, adj.		2	2					
do. 1854	" pipe, adj. 18 in. long, 2 in. cap.		2	2					
do. 1885	do. 24 in., 2, 1 1/2 in. cap.		2	2					
do. 2075	Branch, riser nut, 4-ey type		2	2					
do. 2520	Branch, socket, set, 3/4 in. sq. drive		2	2					
do. 3372	Branch, socket, short plug, iso-drive 5/8 in. drive hex		3	2	LV6HT2 4875	Spanners box tub. Rwy. 1/8 x 1/16	3	2	
do. 3373	do. 1 1/16 in. drive hex		3	2					
do. 3375	do. 1 1/16 in.		3	2					
do. 1328	do. 7/8 in.		3	2					
do. 3377	do. 15/16 in.		3	2					
do. 3328	do. 1 in.		3	2					
do. 3329	do. 1 1/8 in.		3	2					
do. 3573	Branch, tap, set, double head, 15 degree each end, 7/16 in.		6	8					
do. 3578	Branch, tap, set, double end, 9/16 x 5/8 in.		6	8					
do. 3582	do. 1 1/8 x 3/8 in.		6	8					
do. 3585	do. 1 3/8 x 7/8 in.		6	8					
do. 3595-50	Branch, torque, indicating, 1 in. sq. drive range 0 to 50 ft. lb.		2	2					
do. 3620	do. 3 in. sq. stationary lug		2	2					
do. 7838	do. 1 in. sq. drive, scale 0 to 17 ft. lbs		2	2					
do. 3838	Branch, set, 1/2 in. sq. drive, 1/2 in. sq. drive		2	2					

4616

0597

HEADQUARTERS LIGURIA REGION
ALLIED COMMISSION
APO 394

R/16

File
CWP.
20/12.

15 December 1944

Ref: Lig/RO/6

SUBJECT: Ordnance Service.

TO : Headquarters, Allied Commission, Att: G-4 (A)

1. On or about 7 November 1944, 5th Army Ordnance received an order, a copy of which is attached, which denied this Region requisitioning further from them for our transport. The matter was immediately taken up with 5th Army Rear Ordnance at Florence, where Majors T.G. Thrasher, Ordnance 5th Army HQ, and Whittenburg, G-4 Section 5th Army HQ, stated that the reason for this order was that our vehicles were not listed with 5th Army Ordnance. On account of this they could not obtain replacements for any materials issued to this Region, and further stated that if Headquarters, Allied Commission, would have our vehicles properly listed with them they would be able to supply all our requirements.

2. On 8 November 1944 a letter was written to G-4 (A), Headquarters, Allied Commission, copy attached, but no answer has been received to date.

3. The transport of this Region is in urgent need of spare parts, tires and other essentials. It is requested that immediate steps be taken so that our transport can be properly listed with 5th Army Ordnance as soon as possible. It is also requested that consideration be given to the listing of our transport with any Military Ordnances or Ordnance Units with whom we may have to deal at any future date.

C. G. Peasey
C.G. PEASEY
Colonel
Regional Commissioner

Encl: 2

Copies to: Headquarters, 2675th Regt., A.C.
Transportation S/C, Hq, A.C. ✓

4615

C O P Y

HEADQUARTERS LIGURIA REGION
ALLIED COMMISSION
APO 394

RLV/pd

8 November 1944

Lig/Trn/Ord/1

SUBJECT: Ordnance Service.

TO : G-4 (4) HQ. Allied Commission, APO 394 U.S. Army.

1. Enclosed is a copy of correspondence between this Headquarters and 53rd Ordnance Group which is self explanatory.

2. In compliance we contacted 3485th Ordnance who took care of our needs until recently.

3. According to the enclosed copy of directive signed by Capt. Roberge this Ordnance can no longer service Liguria Region transport.

4. Majors T.G. Thrasher, Ordnance 5th Army RHQ and Whittenburg, G-4 Section 5th Army RHQ were contacted on Wednesday 1 October 1944 and they agreed to take care of our needs through 3485 M.M. Ordnance for a period of 11 days from that date. After that it would be necessary for arrangements to be made through your office to list Liguria Region vehicles with the 5th Army RHQ so that they may be able to replace any parts supplied to the Region.

5. They were very accommodating and advised that they would be glad to serve Liguria Region upon receipt of an official listing of our vehicles.

6. It is urgent that this matter be clarified in order that our vehicles can be kept in running condition.

For the Regional Commissioner:

/s/ Roy L. Volstad
ROY L. VOLSTAD
Capt. GMP
R.T.O.

Incl:
2

4614
C O P Y

C O P Y

ORDNANCE SERVICE TO UNITS NOT ATTACHED TO ARMY FOR SUPPLY

There are now operating in Fifth Army's boundaries, troops for whom Fifth Army is not responsible for supply. The Maintenance of their Ordnance equipment, in case of breakdowns, does, however, fall to Army Ordnance Service.

With this in view, the following procedure will be put into effect immediately.

A. Ordnance equipment of such units entering 3rd Echelon shops for repair will if possible be repaired within the limits of 3rd Echelon, but will not be evacuated to 4th Echelon.

B. If repair is impossible in 3rd Echelon, the equipment will be returned to the unit concerned with a statement to that effect.

At the present, the following units falling into the above mentioned category are operating in Fifth Army territory:

8th Replacement Depot
12th Fighter Command
24th General Hospital
62nd Fighter Wing
2671 Spec. Rec. Sq. (Co. A)
6518th Radar Oper. Plat. (P)
PBS Units
AAI Units
AFHQ Units
British
3rd TAC
OSS

URBAN NIBLO,
Colonel, Ord. Dept.
Ordnance Officer.

4613

HEADQUARTERS,
ALLIED MILITARY GOVERNMENT,
TOSCANA REGION.

RVIII/35/29/36.

7 Dec. '44.

SUBJECT: Repair of Regional Requisitioned Vehicles.

TO : Regional Commissioner, Toscana Region.

1. Unless Regional requisitioned vehicles are properly serviced at 10 day intervals and kept in good repair, there will be no cars available for the use of the officers or it will be necessary to requisition additional cars and scrap the worn out ones.

2. Transportation Sub-Commission (Roads), AG, instructions to Regional Transportation Officers (Establishment Memorandum No. 22 dated 27 Sep. '44 and Vehicle Maintenance Instruction No. 1 dated 6 Oct. '44) call for the establishment of Regional Workshops for the maintenance in good repair of all Regional Vehicles.

3. The Transportation Division Workshops in Siena and Firenze are being used for the repairing of Regional vehicles. Three U.D. vehicles in addition to the trucks, are being rebuilt and repaired in the Siena Regional Workshop. Firenze Province civilian cars are being sent to the Firenze Regional Workshop for repairs.

4. The following instructions are being sent to all Provincial Commissioners :-

(1) Upon vehicles being found to be "Beyond Local Repair" of Provincial Workshops, REME and Ordnance detachments, Provincial Garage vehicle Examiner will enumerate main points of repairs required upon a "Regional Workshop Repair Requisition" (Appendix A) and Provincial Transport Officer will forward same to Regional Workshops, through Transportation Division, Toscana Region.

(2) If repairs can be undertaken, Regional Workshops Officer will notify Provincial Transport Officer of date when vehicle can be 'backloaded' to Regional Workshops.

(3) In cases where the general condition of the vehicle does not justify the cost of repair, Provincial Transport Officer will seek the advice of Regional Transportation Officer, who will decide upon final disposal of vehicle.

(4) Priority of repairs will only be given upon receipt of instructions from R.F.O. All other repairs will be undertaken by Regional Workshops in order of reception of "Workshops Repair Requisition."

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(3) In cases where the general condition of the vehicle does not justify the cost of repair, Provincial Transport Officer will seek the advice of Regional Transportation Officer, who will decide upon final disposal of vehicle.

(4) Priority of repairs will only be given upon receipt of instructions from R.T.O. All other repairs will be undertaken by Regional Workshops in order of reception of "Workshops Repair Requ."

(5) Before a vehicle is 'backloaded' to Regional Workshops, spare tyres, accessories, tools etc., will be removed from vehicle by Provincial Garage. No responsibility will be accepted by Reg. Workshops for such items left on vehicles.

(6) Upon completion of repairs, Provincial Transport Officer will be notified to arrange for collection of vehicle which will only be handed over upon receipt of a written authority. Before the vehicle is released from Regional Workshops, the person bearing such authority will sign "Workshops Repair Requisition" and will accept the responsibility of receiving vehicle in a complete and satisfactory condition.

5/.....

-2-

5. As requisitions for repairs to Regional Vehicles are received they will be sent to the Siena Workshop in the case of W.D. vehicles and to Firenze Workshop in the case of civilian requisitioned vehicles. At the Transportation Division Workshop, the following procedure will be used :-

- a Upon reception of Repair Requisition from Provincial Transport Officer, through Transportation Division Headquarters, particulars of vehicles and repairs required will be noted on a "Workshops Job Card", which will be filed under "Jobs awaiting repair".
- b P.T.O. will be notified of date when Workshops will be able to undertake repair, and consequently, when vehicle is to be 'backloaded' to Regional Workshops.
- c When vehicle is admitted to Regional Workshops, vehicle examiner will carry out a thorough examination of vehicle and will check for further repairs that may be required over and above those already noted on Job Card. Job Card will be filed under "Vehicles under repair".
- d Vehicle examiner will check daily progress of work under repair and will ensure that every effort is being made to complete repairs within the time specified on Job Card.
- e In cases where it is necessary to send work out to other repair establishments such work will be accompanied by a Job Card and the necessary entries will be made on Job Card, (Cost of repair etc.) by that establishment before work is returned to Regional Workshops.
- f All spares, material used, in effecting repairs will be carefully annotated on reverse of Job Card and, where items are purchased from an outside source, the necessary entries will be made, (Purchased from, Cost, etc.).
- g Upon completion of repairs, vehicle examiner will carry out a final inspection, certifying vehicle and stating general condition of vehicle on reverse side of Job Card.
- h Job Card will be placed in 'Pending Collection' file.
- i After vehicle has been collected by Provincial representative Job Card will be placed in 'Completed' file.

6. The Siena Workshop is operated entirely by the Transportation Division, employing Italian mechanics. The Firenze Workshop (SITA) has a small staff of mechanics who will be used for the final inspection assembly and adjustments. All major repair work will, for the present, be done by the SITA workmen upon a time basis or will be contracted for in other Firenze Shops.

7. The Firenze Workshop (SITA)

examiner will carry out a thorough examination of vehicle and will check for further repairs that may be required over and above those already noted on Job Card. Job Card will be filed under "Vehicles under repair".

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7. The Firenze Workshop (SITA) is also being used for the servicing of Toscana Region HQ vehicles on duty in Firenze. At present about 20 of such vehicles are using the facilities of the garage.

lrb
GEORGE B. SOMERS,
Major, AUS.,
Regional Transportation Officer.

GBS/NO.

Copy to:- Transportation Sub-Commission (Roads), HQ, AO. ✓
Provincial Commissioner, Province of Firenze.
Officer i/c Transportation Division Garage, Siena.
Officer i/c Transportation Division Garage, Firenze.

APPENDIX "A".

HEADQUARTERS,
ALLIED MILITARY GOVERNMENT,
TOSCANA REGION.

Date.....

PROVINCE..... DIVISION.....

REGIONAL WORKSHOPS REPAIR REQUISITION

AMG N°..... TARGA N°.....

MAKE & TYPE..... YEAR.....

DRIVER.....

ORIGIN OF VEHICLE.....

.....

WORK/REPAIRS PROBABLY REQUIRED:-

SIGNED..... SIGNED.....
REGIONAL VEHICLE EXAMINER. PROVINCIAL OFFICER AUTHORISING REPAIR.

DATE OF COMPLETION OF REPAIRS.....

RECEIVED BY..... DATE.....
SIGNED

REMARKS

4610

SIGNED.....
OFFICER 1/REGIONAL WORKSHOPS.

HEADQUARTERS,
ALLIED MILITARY GOVERNMENT,
TOSCANA REGION.

RVIII/35/8/11.

7 Dec. '44.

SUBJECT: Transportation Division Report - November, 1944.

TO : The Regional Commissioner.

1. Regional Garage and Workshops, Siena. All trucks assigned to the Region are being operated, serviced, maintained and repaired in the Regional Workshops Siena. The Repair Shop has been enlarged to provide space for the repairing of Regional W.D. vehicles, since it is becoming increasingly difficult to have such repairs made in American Ordnance or British RME. Where possible, the work is being turned to the Army shops. An acute shortage of 1050 x 16 tyres has prevented the operating of several trucks and delayed the operating of others, since only two spare tyres are available for 23 trucks.

Of the 30 trucks, 25 are on Daily Detail, operating from 12 to 24 hours daily. The other 5 are in the shop for servicing and repair.

See special report on personnel and operation of Siena Garage - RVIII/35/22/21 dated 24 Nov. '44.

Total freight handled 2061 tons. The trucks travelled a total distance of 125,581 kms. much of which was over very bad roads.

2. Livorno Province. 4 of the Regional W.D. trucks are stationed in this Province to augment the local transport. The Provincial Transport Officer reports that 492 tons were moved with a total of 9629 kms. travelled.

More trucks are needed. Tyres for the available trucks are urgently needed.

3. Firenze Province. This Province has developed a large supply of civilian Road haulage vehicles but not sufficient to transport food and fuel for even its minimum needs. Fifth Army continues to supply from 30 to 50 trucks daily in addition to from 10 to 15 trucks of the Regional Fleet. These latter trucks operating on a 24 hour basis, handle about the same quantity of material on equal length run as the 30 to 50 trucks from 5 Army AM's which operate only during daylight hours.

An average of 122 civilian trucks of capacity over one ton, have operated daily hauling 15470 tons.

46

it is becoming increasingly difficult to have such repairs made in American Ordnance or British REME. Where possible, the work is being turned to the Army shops. An acute shortage of 1050 x 16 tyres has prevented the operating of several trucks and delayed the operating of others, since only two spare tyres are available for 23 trucks.

Of the 30 trucks, 25 are on Daily Detail, operating from 12 to 24 hours daily. The other 5 are in the shop for servicing and repair.

See special report on personnel and operation of Siena Garage - RVIII/35/22/21 dated 24 Nov. '44.

Total freight handled 2061 tons. The trucks travelled a total distance of 125,581 kms. much of which was over very bad roads.

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An average of 122 civilian trucks of capacity over one ton, have operated daily hauling 15470 tons.

Some difficulty is being experienced in that trucks assigned to haul one commodity are being directed to other uses by the Italian Supply organization. Used Army tyres to the number of 100 were sold by this Division to the Autotrasporti and have been placed on trucks otherwise out of service. While these tyres are badly worn, they are still better than none at all. Rebuilt tyres for one truck were also sold and added one truck to the fleet.

4/.....

4. Tyres for civilian road haulage vehicles continue to be the largest factor in getting civilian road haulage transport into operation.

Several trucks were added to the Grosseto Province fleet through the sale to them of 15 rebuilt Army truck tyres.

Additional Army tyres rebuilt and non-rebuilt are being sought for sale to civilian truck owners. Every effort is being made to secure the use of the S.A.P. Tyre Rebuilding plant in Firenze, for the repair and retreading of Class C-1 Army tyres for re-sale to civilian truck owners. G-4 5 Army is holding up the allocation until 5 Army Ordnance decides if it can use the works.

5. Regional Workshops are being established at the Siena and Firenze Garages for the repairing of Regional Passenger Cars that cannot be repaired by the Headquarters and Provincial Garages or in American Ordnance or British REUS. See letter of 7 Dec. '44, reference RVIII/35/29/36.

6. The Transportation Division Garage, Firenze is being used to service and repair Regional HQ vehicles being operated in Firenze, in accordance with the plan outlined in latter reference RVIII/35/46/9 dated 24 Nov. '44.

Spots

GEORGE E. SOWERS,
Major, AUS,
Regional Transportation Officer.

GBS/IG.

Copy to:- Transportation Sub-Commission, HQ, AC.
Executive Officer, Toscana Region.

HEADQUARTERS,
ALLIED MILITARY GOVERNMENT,
TOSCANA REGION.

RVIII/35/29/35.

4 Dec. '44.

SUBJECT: Provincial Passenger Vehicles.

TO : Provincial Commissioner, Province of FIRENZE.

1. Under Directives issued by A.C., the Regional Transportation Officer is responsible for the putting into effect of systems of maintenance for all A.C. vehicles which will prove for their efficient maintenance. Although Firenze Province is not yet under Regional direction, all instructions and directives issued by A.C. and the R.T.O. have been sent to the Province for information and such application as the Provincial Commissioner may desire to place in effect.

2. Recent inspections of the Provincial motor vehicles and maintenance facilities, together with studies recently made, lead the R.T.O. to make the following suggestions for improving the operation and maintenance of the A.C. vehicles used by Firenze Province MG:

a. Due to lack of adequate garage facilities in this City, the present Provincial HQ Garage should be used solely for the daily servicing of the Province's 60 or more vehicles and for the 10-day inspection and servicing of the vehicles. No major repairs should be undertaken. The space and facilities are barely sufficient for the cleaning, adjusting, inspecting and greasing of the vehicles. It may even be advisable to requisition and use another small garage for the 10-day inspection and greasing of the vehicles.

(i) Each vehicle should have a record card with space for showing each servicing or repair. This file should be divided into:-

- (a) Vehicles in Road-worthy condition.
- (b) Vehicles wrecked and otherwise beyond repair but which may be of use for parts.
- (c) Vehicles not road-worthy and sent, or being sent, to Regional shops for repairs.

(ii) A chart should be posted showing all the Provincial vehicles; the Division to which assigned by the Provincial Commissioner; the driver's name and the days when the vehicle will remain in the garage for inspection and servicing. The chart can also show when the vehicle is in the repair shops.

01251
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4637
(ii) A chart should be posted showing all the Provincial vehicles; the Division to which assigned by the Provincial Commissioner; the driver's name and the days when the vehicle will remain in the garage for inspection and servicing. The chart can also show when the vehicle is in the repair shops.

b. Regional Base Workshops are being placed in operation for the making of repairs on all Regional Vehicles, which are beyond the limits of the repair facilities of the Provincial workshops or PMM and Ordnance shops which may be available. Vehicles will be sent to these Regional Base Workshops with a work order. When the repairs have been completed, the vehicle will be picked up and replaced in the Provincial Pool and Garage.

c/.....

c. Gasoline and oil should be carefully accounted for. A daily record of amounts issued to each vehicle should be kept, which amounts will be signed for by the driver. The total amounts issued will balance amounts drawn. The amounts issued to each vehicle should be totalled weekly and monthly and sent to the Provincial Transport Officer for comparison to check excessive consumption and curb the loss of fuel. Drums of petrol should be kept in a safe place and not in a public thoroughfare.

d. All vehicles should be adequately safe-guarded when not in use, by parking them in the Provincial HQ Garage, a Provincial HQ Motor Park, or in such places as the Provincial Commissioner may authorise for any specific vehicle. Such special parking places should only be authorised upon the written request of the officer using the vehicle in which he fully describes the proposed method and place for safe-guarding the vehicle.

e. Each vehicle should carry a Daily Trip-ticket, showing fuel and lubricants issued and the roads or area within which the vehicle is permitted to operate. At the end of the day, the officer last using the vehicle should show the time and place where the vehicle is released as a curb on vehicles being used by the drivers or others without the knowledge or permission of the officer. The Garage Office should prepare the tickets and issue them upon the surrender of the expiring ticket. The issuing of such a ticket will keep the Provincial Transport Officer informed regarding the daily location of the vehicles and ensure the retention of the vehicle at the Garage for its periodic inspection and greasing.

f. Vehicles not specifically assigned, or when not required for operation, should be kept in a Pool for emergency use.

g. The garage personnel should be organised somewhat as follows :-

- Provincial Transport Officer.
- EM/CR in charge of Garage.
- Italian Civilian Garage Superintendent.
- Civilian Inspection and Greasing Crew (3 to 4 persons).
- Mechanic - For directing work, making inspections and keeping record.
- Greaser - For lubricating and changing oil - also cleaning of mechanical parts.
- Electrician - For inspecting and cleaning electrical parts including battery.
- (Depending on the equipment available, a helper may be required).
- Car servicing and minor repair crew (5 persons).
- Gasoline and Oil Issuer.
- Tyre repair and changer.
- Good general mechanic and helper.
- Good electrician repairman.

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Electrician - For inspecting and cleaning electrical parts including battery.

(Depending on the equipment available, a helper may be required).

Car servicing and minor repair crew (5 persons).

Gasoline and Oil Issuer.

Tyre repair and changer.

Good general mechanic and helper.

Good electrician repairman.

Office Manager and Despatcher.

Clerk for Gasoline and Car Records.

h The drivers will keep their vehicles clean, including the engine.

i The inspecting crew will report all repairs needed and the Garage Superintendent will either have the work performed by his crew, or prepare a work order on Regional Base Workshops.

Inspection and greasing crew should follow and use the form prepared by Transportation Sub-Commission, A.C., - copy attached. Their work is preventative maintenance and highly important considering the scarcity of vehicles and repair parts.

J/.....

-3-

- 1 The car servicing and minor repair crew should limit their work to minor repairs, adjustments, tyre repair and changing, inspection and such other small repair items as their time will permit after the cars are greased and inspected. Preventative maintenance will save many hours of loss of use of the Provincial vehicle and a considerable amount of repair work.

Geo B S
GEORGE B. SOWERS,
Major, AUS.,
Regional Transportation Officer.

Copy to:- Transportation Sub-Commission, (Roads), ✓
H.Q., A.C.
Regional Commissioner, Toscana Region.
Capt. Osborne.

4605

Questions on Proposed Maintenance Set-up. 16

1. Is the AC, to be totally independent in regard to maintenance?
- a) if so, do we have the necessary authority to do so, that requisitions can be submitted on that basis?
- b) If not, which sketches of maintenance is the AC to be allowed?
- (1) Is it desirable to have duplicate procurements and warehousing with that of PBS and?
2. Under whose direction will the proposed maint. fall - the Hq. Comd't., Trans. Sub. Comd., G. & A., or others?
3. After questions 1 & 2 are answered and if AC is prepared to assume the maint. responsibility, who, or what officer will be in charge of the shops?

Knowing who this officer will be will aid considerably in the planning.

A. According to most recent information PBS MMS does not anticipate having to move in the near future. Previously they were to move soon, turning over the maint. responsibility for Rome Argo, to AC, however as AC did not want that responsibility it is necessary for PBS ord to maintain present facilities in Rome.

If AC is made responsible for the Rome Argo and PBS removes their personnel, it would be highly advisable for AC to take over present civilian personnel by PBS ord. Complete with existing civilian personnel and shop equip. issued to that installation. In other words, such a change would mean only a change in responsibility. Officers, the shop would remain complete with present civilian personnel, parts equipment and location. This procedure would avoid the confusion resulting in the setting up of another shop of similar equipment and capabilities, and the closing down of the present one.

As of now the Automotive Parts Section, GAF (A) is still housed temporarily in the salon of the Lancia Garage. All efforts are being made to procure another building with expansion of

4606

- b) If not, what categories of maintenance is the AC to be allowed?
- (1) Is it desirable to have duplicate procurement and warehousing with that of PBS and?
2. Under whose direction will the proposed maint. fall, the Hq. Comd't., Trans. sub-Comd., G.A. (A), or others?
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- Knowing who this officer will be will aid considerably in the planning.
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- If AC is made responsible for the Rome Argo and PBS removes their personnel, it would be highly undesirable for AC to take over present area occupied by PBS and complete with existing Civilian personnel and shop equip. issued to that installation. In other words such a change would mean only a change in responsibility officers, the shop would remain complete with present civilian personnel, parts, equipment and location. This procedure would avoid the certain confusion resulting in the setting up of another shop of similar equipment and capabilities, and the closing down of the present one.
- As of now the Automotive Parts Section (A) is still housed temporarily in the salon of the Lancia Garage. All efforts so far to procure another location have ended in nothing with exception of the most recent effort. A garage in the immediate vicinity of Pyrali plant is still available. Before it is available however it is necessary to locate another storage place for the vehicles, mostly buses which are at present in the garage, and which belong to the Public Security Branch of the Italian Ministry of Int. In addition it probably will be necessary to move these vehicles purchased. Efforts are now being made to the end of a new location for these vehicles.

RUS

U S R E S T R I C T E D Equals British R E S T R I C T E D

HEADQUARTERS
2675TH REGIMENT
ALLIED CONTROL COMMISSION
(OVERHEAD)
APO 394

R116
FRW/rs1

File: 537.

2 November 1944

SUBJECT: Vehicles.

TO : All Concerned.

The attached extract from PBS Circular #68, dated 28 May 1944, is republished for the information and guidance of all concerned.

By order of Colonel PARKIN:

1 Incl:
Extract, PBS Cir #68, dtd 28 May 44.

F. R. Wermuth
F. R. WERMUTH
WOJG USA
Asst Adjutant

DI DISTRIBUTION:

- 1 - Units this Regt.
- 1 - Sub-Commissions & Sections,
Allied Commission.
- 1 - Super Garage.

4603

U S R E S T R I C T E D Equals British R E S T R I C T E D

RESTRICTED

Par 3g (2), Section XI, PBS Cir #68, dtd 28 May 1944.

E X T R A C T

*

(2) Use of Vehicle Engine for Braking Effect. -

(a) The practice of "Double Clutching" vehicles at relatively high speeds to a lower gear to obtain abnormal braking effect from the engine will be discontinued.

(b) Commanding Officer, transportation officers and all other officers having vehicles under their control or supervision are enjoined to disseminate the information set forth herein to all drivers.

(c) Ordnance "Spot Check Teams" and inspectors will report all cases of such abuse under provisions of par. 15a, 15b, AR 850-15.

(d) FM 25-10 sets forth that judicious use of the braking effect of the engine is desirable. It infers, however, that vehicles should not be so decelerated by the engine that the engine will be driven at a speed higher than it is possible to accelerate the vehicle. The stated object of such warning is "to prevent overspeeding the engine". (Ref. PBS Cir. #43, cs)

(3) Salt water is highly injurious to motor vehicles wheel bearings, grease seals, differentials, pillow blocks, and all vented sub-assemblies. Accordingly, vehicles will not be washed with sea water.

(4) Tire Pressures.-

(a) Apparent contradictions as to proper tire pressures in certain technical publications are due to difference in publication dates. Listed below are current data on tire pressures for vehicles in general usage, extracted from TM 31-200, "Maintenance and Care of Pneumatic Tires and Rubber Treads" and other pertinent TM's:

TYPE OF VEHICLE	TIRE SIZE	PLY	AIR PRESSURE	
			FRONT	REAR
Motorcycle	4.00-18	4	18	20
Motorcycle	4.50-18	4	18	20
Car 5 Passenger Light Sedan	6.00-16	6	35	35
Car 5 Passenger Medium Sedan	7.00-16	6	35	35
Truck, $\frac{1}{4}$ ton 4x4	6.00-16	6	35	35
Truck $\frac{1}{2}$ ton 4x4	7.50-16	6	40	40
Truck $\frac{3}{4}$ ton 4x4	9.00-16	8	40	40
Truck $1\frac{1}{2}$ ton 4x4	7.50-20	8	55	55
Truck $2\frac{1}{2}$ ton 6x6	7.50-20	8	55	55
Truck 4 ton 6x6	9.00-20	10	65	65
Tractor 4-5 ton 4x4	9.00-20	10	65	65
Tractor 5-6 ton 4x4	12.00-20	14	80	80
Truck 6 ton 6x6	10.00-20	12	70	70
Trailer $\frac{1}{4}$ ton 2 W.	6.00-16	6		46
Trailer 1 ton 2 W.	7.50-20	8		55
Semitrailer 6 ton 2 W.	9.00-20	10		65
Scout Car	8.25-20	10	40	65
Scout Car	8.25-20	Combat	45	65
Half Track	8.25-20	10	50	
Half Track	8.25-20	Combat	55	

RESTRICTED

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RESTRICTED

(Revised par. 3 g (7), Sec XI, Cir. 68, Hq PBS, dtd 28 May 1944)

(b) Tire pressures as above will be stencilled on the dash of each vehicle and vehicles belonging to units assigned or attached to Peninsular Base Section will have such pressures maintained.

(5) Painting and Marking of Vehicles. - All Military vehicles will be painted and marked in accordance with instructions published by this Headquarters. The technical information on this subject is contained in Appendix "B" to this section.

(6) Clutch pedals, 2½ ton, 6x6, Cargo Trucks:

(a) Rescinded: Clutch pedal adjustment instructions in pertinent Technical Manuals. (Reference OFST Bulletin No. 10-1000-20, 1 July 43).

(b) Clutch pedals on 2½ ton, 6x6 GMC cargo trucks will be adjusted to allow 2½" of free travel. Failure to effect such adjustment has caused excessive breakage of the clutch diaphragm springs. The commanders of units and separate organizations assigned or attached to PBS will cause these adjustments to be effected without delay.

(7) Winterization of Vehicles.

(a) Temperatures below freezing may be encountered in Penbase from 10 November through 15 April. All vehicles and all equipment driven by automotive type engines (portable generators, pumping units, etc) will be winterized in accordance with pertinent current technical manuals on or before 1 November 1944.

(b) 1 Vehicles and equipment operating in Penbase in Naples, Rome, Leghorn and the coastal plains between will be protected to 0°F (equivalent to minus 17°C).

2 Vehicles and equipment normally operated in mountainous country must be protected to minimum temperatures based on local conditions which in no case should exceed minus 20°F (equivalent to minus 28°C).

3 Vehicles and equipment issued to 5/Army will be without coolant in radiator or will be protected to minus 20°F.

4 Vehicles and equipment for shipment to Delta Base will be without coolant in radiator or will be protected to minus 10°F.

5 All vehicles or equipment will bear tags showing the temperature to which protected, or stating that vehicle is without coolant in radiator.

(c) Procedure for winterization of vehicles and equipment is found in pertinent TM's and should be carefully followed. Following is an outline generally applicable to all:

1 Prior to adding ethylene glycol (anti-freeze) clean and flush radiator and cooling system. Make sure it is clean and rust-free.

2 Check all hose and hose connections for leaks and tighten or replace as indicated. Be certain all leaks have been sealed.

84
RESTRICTED

3 Clean and check thermostat.

4. After the above steps fill radiator approximately one third-full of water, add required amount of ethylene glycol and then add balance of water. To protect to 0°F a proportion of 1/3 ethylene glycol and 2/3 water is used; exact amounts should be obtained from pertinent TM's. The figures below are for the most prevalent vehicles:

<u>TRUCK</u>	<u>ETHYLENE GLYCOL</u>	<u>WATER</u>
Truck, 1/4 ton, 4x4	3 3/4 qts	7 qts
Truck, 3/4 ton, 4x4	6 qts	11 qts
Truck, 1 1/2 ton, 6x6	6 qts	11 qts
Truck, 2 1/2 ton, 6x6	6 1/2 qts	12 1/2 qts

5 Fan belt must be inspected and adjusted if necessary.

6 Fuel system (including air cleaner) and electrical system (including battery) require special servicing for efficient cold weather operation and preventive operations on these units before cold weather is encountered will prevent needless failure of vehicles. See pertinent TM.

(d) Extreme care should be taken to conserve ethylene glycol as stocks are limited. Supply will be through normal maintenance channels and, insofar as practicable, consolidated requisitions, showing total number of each type vehicle or equipment to be protected will be submitted.

h. Spot Check Teams operating under the direction of the Ordnance Officer, PBS, will inspect the general condition of first and second echelon maintenance in units and separate organizations assigned or attached to this Section.

(1) Inspection of the maintenance throughout the Base Section will be effected wherever vehicles may be stored, parked or operated.

(2) Results of inspections will be recorded on forms prescribed by the Ordnance Officer.

(a) Copies of reports will be forwarded to the unit commander concerned.

(b) A copy will remain in the files of the Ordnance Officer until original reports to unit commanders are returned to the Ordnance Officer.

(3) Unit and separate organization commanders to whom reports are sent will cause timely correction of deficiencies and initiate steps to prevent recurrences.

(a) In returning forms to the Ordnance Officer, they will certify that the above has been effected.

(b) Failure to comply will be reported to this headquarters by the Ordnance Officer.

DISTRIBUTION:
"A" "B" "C" "D"

- 123 -

(Revised 26 Oct 44)

RESTRICTED

Reproduced by Hq 2675th Regt, ACG
APO 394, 2 November 1944 *Law*

HEADQUARTERS
ALLIED CONTROL COMMISSION
OFFICE OF G-4
APO 394

DEL/CH

26 October 1944

04/101/21

SUBJECT: - Care and Maintenance of Fire Vehicles.

TO :- Regional Commissioner, Southern Region.
Regional Commissioner, Lazio-Umbria Region.
Regional Commissioner, Abruzzo-Marche Region.
Regional Commissioner, Emilia Region.

This formation has assumed responsibility for maintenance and recording of vehicles on loan to Public Safety Division for use of Italian Fire Service.

Under terms of Establishment Memorandum No. 22 these vehicles will be recorded, maintained and included in returns of Regions in which they are situated.

Locations and U.S. numbers of vehicles are set out in enclosure to this letter, with particulars of Regions which will assume responsibility.

Addressees are requested to take these vehicles on charge, issuing receipt vouchers to Public Safety officers.

It is particularly requested that the contract and chassis numbers of these vehicles be ascertained and sent to this H.Q. as soon as possible so that U.S. first aid kits can be demanded.

By Command of Commodore STONE.

Donald H. Haslam Capt
for S.W. MILLER.
Ident. Col.
G-4.

Copies to: - Transportation Sub-Commission.
Public Safety.

4600

AMERICAN MAP

REGION RESPONSIBLE

LOCATION

NUMBER

TYPE

NAME

NAPLES

L.4676991 X
L.4676965 X
L.4677704 X
L.46769189 X
L.4677997 X
L.4677574 X
L.4676988 X
L.5392892 X
L.4676935 X
L.4677756 X
L.4676970 X
L.4676911 X
L.4676985 X
L.4676995 X
L.5176313 X
L.4713111 X
L.4713130 X
L.5225765 X
L.4714134 X
L.4692616 X
L.4692746 X
L.4667781 X
L.522659 X
L.516441 X
L.4693227 X
L.5645732 X
L.5333839 X
L.535166 X
L.525758 X
L.523272 X
L.4676921 X
L.523062 X
L.4691198 X
L.4720539 X
L.1307221 X
L.4693333 X
L.4691968 X
L.4690645 X
L.4919528 X
L.4671032 X
L.4720753 X
L.4723135 X
L.5172259 X
L.4714551 X
L.4690641 X

AVELLANO
SALERNO
SALERNO
BARI
BARI
BARI
FOGGIA

6657

LACIO-UMBRIA REGION

ROME

L.4677771 X
L.4677730 X
L.4676934 X
L.4676929 X
L.5392897 X
L.4677732 X

3 TIR 422

ASIN

CEVACLET

CEVACLET

CEVACLET

CEVACLET

CEVACLET

ASIN

SOUTHERN REGION

AVILA
BALTIMORE
BALTIMORE
BART
BART
BART
BOGIA

4593

LATIO-IMPERIA REGION

IV

ITALIA REGION

ARMED-ARMED REGION

ITALIA REGION

ARMED-ARMED REGION

ITALIA REGION

ARMED-ARMED REGION

ITALIA REGION

ARMED-ARMED REGION

HEADQUARTERS COMMUNICATIONS ZONE
NORTH AFRICAN THEATER OF OPERATIONS
UNITED STATES ARMY
ARMY POST OFFICE 750

8/16
T. J. Rice
481

400.402-J

20 October 1944

SUBJECT: Maintenance Program of A.C.C. Vehicles.

TO : Deputy President, Allied Control Commission, APO 394, U.S. Army.

1. Two (2) United States Ordnance officers, from this headquarters, were placed on temporary duty with Headquarters Allied Control Commission and Headquarters R.A.A.C. by paragraph 8, Special Orders No. 237, Headquarters COMZONE, NATOUSA, dated 19 October 1944, and will report to Transportation Sub-Commission, Allied Control Commission Headquarters, Rome, Italy.
2. The mission of these two officers is to aid and advise in setting up the United States requirements program for maintenance of ACC vehicles. Upon study of present civilian and military installations under control of ACC, a plan will be suggested for the establishment of a base installation and third echelon installations in various regions under supervision of A.C.C.
3. Requisitions for spare parts for United States manufacture vehicles and necessary tools and equipment for installations will be made by these two officers on Headquarters COMZONE, NATOUSA, through A.C.C. and AFHQ for approval, to augment civilian facilities for the repair and upkeep of A.C.C. vehicles.
4. Reports of activities and progress will be made to this Headquarters through A.C.C.

For the Commanding General:

Vernon W. Rice
Colonel, A.G.D.,
Adjutant General.

Copy passed
Maintenance Sect
OH

HEADQUARTERS
23 OCT 1944
A.C.C.

4598

TO: Ordnance Officer Hq. Communication Zone, NATOUSA.

1.) Description for duty for the Transportation Sub-Commission as now assigned to work on the Allied Commission Sub-Commission, under the Road Division. He joined the team of the British

2.) A survey of all existing references and reports, facilities of the Army, Navy, or

or sufficiently equipped to be used as a base for the Allied Commission and not convenient

part of the Road Division in order to be used for this purpose. This commission has been approved by the

3.) Commission are now being prepared for the necessary parts to efficiently

4.) Although some for the, the in and equipment have been received by the A.C. It will

5.) Arrangements are being made to meet the following two weeks in the September when to

W. F. Shipler

Reviewed: *WILEY F. SHIPLEY*
Capt. April

Joseph A. Stulen

1st Ind. April

29/21/1944

HQ. ALLIED COMMISSION TRANSPORTATION SUBCOMMISSION, APO 597 30
October 1944.

TO: Ordnance Officer Hq. Communication Zone, NATCUSA.
(Through AFHQ G-3)

Forwarded for information.

D. S. ADAMS,
Colonel, G.E.
Director, Tn. Sub-Comm.

HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission
APO 384

6 October 1944

ACC/Tn/R/16

VEHICLE MAINTENANCE INSTRUCTION No. 1

In accordance with Establishment Memorandum No. 22 dated 27 September 44 a Vehicle Maintenance Section under the control of the Roads Department of this H.Q., has been formed to draw up and put into effect a joint policy of maintenance applicable to all vehicles operated by A.C.C., and to assist the Transport Officers in the solution of any vehicle maintenance problems they may have.

The system of maintenance as laid down by the respective War Departments for British and American V.D. vehicles although differing slightly in detail are in effect similar in principle but owing to the unusual circumstances prevailing in this organisation where both British and American vehicles are operated by personnel unaccustomed to them and their system of maintenance, it is necessary to put into effect a combined system of maintenance which can be applied to both types of vehicles.

Vehicles operated within 5th Army and 8th Army areas and driven by British or American personnel will however continue to be maintained under the respective V.D. regulations i.e. in the case of British vehicles under the task system, in the case of American vehicles daily and weekly checks.

1. Responsibility for Maintenance

The Regional Civil Transport Officer will be responsible for the putting into effect of the system of maintenance as laid down by this H.Q. and for the efficient maintenance of all A.C.C. vehicles held within the Region.

2. System of Preventative Maintenance

In order to carry out the schedule of maintenance as laid down in the pamphlet Inspection, Maintenance and Care of Army Vehicles (wheeled) based on the Task System for British vehicles and the daily and weekly check prescribed by American W.D.

Regulations for American vehicles, a combined programme of maintenance will be put into effect as follows, and will be applicable to all vehicles.

A) The driver will be responsible for the following daily duties of preventive maintenance.

- 1.) Checking water, oil and petrol levels.

Transportation Sub-Commission
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Vehicles operated within 5th Army and 8th Army areas and driven by British or American personnel will however continue to be maintained under the respective V.D. regulations i.e. in the case of British vehicles under the task system, in the case of American vehicles daily and weekly checks.

1. Responsibility for Maintenance

The Regional Civil Transport Officer will be responsible for the putting into effect of the system of maintenance as laid down by this H.Q. and for the efficient maintenance of all A.C.C. vehicles held within the Region.

2. System of Preventative Maintenance

In order to carry out the schedule of maintenance as laid down in the pamphlet Inspection, Maintenance and Care of Army

Vehicles (checked) based on the Task System for British vehicles and the daily and weekly check prescribed by American V.D.

Regulations for American vehicles, a combined programme of maintenance will be put into effect as follows, and will be applicable to all vehicles.

A) The driver will be responsible for the following daily duties of preventative maintenance.

- 1) Checking water, oil and petrol levels.
- 2) For normal daily duties in connection with the conservation and care of tyres, batteries, etc.
- 3) Cleanliness of his vehicle at all times.

B) Each vehicle will be thoroughly inspected and serviced by a maintenance crew (for the composition of this detachment see Appendix "A") every 10th day.

C) All defects found during this inspection will be recorded by the individual i/e. Maintenance crew on Maintenance Form 1 (see Appendix "B" attached).

D) The last entry in the log book for the month will be entered in the case of British vehicles in the Vehicle 406 as a record of any item of repair which could not be effected during the inspection and to enable indents to be made of spare parts required.

In the case of American vehicles Maintenance Form 1 will form the basis of requisition for spare parts and it will be retained for transfer with the vehicle until the next inspection has been completed, as there is no American counterpart of the British A.B.406.

3. Higher Echelon Maintenance

A) Garages for the performance of Higher Echelon repairs will be established at each Provincial H.Q. and although the maximum use of civilian labour in the form of mechanics etc. will be made, each will be supervised by Allied personnel, the principle being that wherever a British or American vehicle is located there will be a British or American T.M./O.R. in a supervisory capacity.

B) Vehicles requiring 4th or 5th Echelon repairs will be evacuated from the Provincial H.Q. in the first instance, to the Regional H.Q. Garage, from where it will be evacuated to the nearest R.T.M.E. unit in the case of British vehicles or Ordnance if it is American, if it is found to be beyond the Regional Garages' capabilities of repair.

In the latter event B.T.M. or Salvage Certificates obtained will be forwarded forthwith to the appropriate G-4 Branch of this H.Q.

C) Under no circumstances will any vehicle be cannibalised without the previous written authority of this H.Q.

D) Every British vehicle will be in possession of an Army Book 406. In addition all British vehicles will be allotted and will carry at all times A.B. 412 with entries complete in respect of tyre pressures, oil changes, Higher Echelon repairs or modifications, and drivers name and vehicle equipment etc.

The a/m documents in respect of British vehicles and Maintenance Form 1 of last inspection of American vehicles will be at all times transferred with the vehicles and all cases of a vehicle being received by a unit within the organisation without completed documents will be reported to this H.Q.

4. Spare Parts

A) First Aid Kits of Spares. Requisition for these have been made to American and British Ordnance and a large quantity of both British and American have already been drawn. These are at present being sorted and catalogued and will shortly be available for issue to Regions.

B) Indents and Requisitions for Spares. 1. American - American requirements within the Region should be originated by the Regional M.T.O. who will submit requisitions to nearest Ordnance. 2. British - Indents should be submitted in the first instance to the nearest A.D.O.S. for approval and onward transmission to the local sub-depot. 3. Where either British or American spares are not available at local Ordnance and cannot be manufactured locally indents should be submitted to the appropriate G-4 Branch this H.Q. which after

established at each Provincial H.Q. and although the maximum use of civilian labour in the form of mechanics etc. will be made, each will be supervised by Allied personnel, the principle being that wherever a British or American vehicle is located there will be a British or American E.M./O.R. in a supervisory capacity.

B) Vehicles requiring 4th or 5th Echelon repairs will be evacuated from the Provincial H.Q. in the first instance, to the Regional H.Q. Garage, from where it will be evacuated to the nearest R.E.M.E. unit in the case of British vehicles or Ordnance if it is American, if it is found to be beyond the Regional Repairs' capabilities of repair.

In the latter event B.M.K. or Salvage Certificates obtained will be forwarded forthwith to the appropriate G-4 Branch of this H.Q.

C) Under no circumstances will any vehicle be cannibalised without the previous written authority of this H.Q.

D) Every British vehicle will be in possession of an Army Book 406. In addition all British vehicles will be allotted and will carry at all times A-B, 412 with entries complete in respect of tyre pressures, oil changes, Higher Echelon repairs or modifications, and drivers name and vehicle equipment etc.

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5. Civilian Requisitioned Vehicles. Requisitions for civilian spares should be made to Spare Parts Section this H.Q. who have frozen civilian stocks throughout the country and who are now controlling machinery capable of manufacturing the most common types of civilian spares in demand.

3) Tyres 1. Civilian Supply and Civilian Requisitioned Vehicles -
Requisitions for tyres for these vehicles should be made to Tyre
Section this P.O. giving information as shown in Appendix "C"
attached.

2. Domestic (American and British)-as far Spare Parts.
3. Vehicle Records. Casualties and returns will be submitted in
accordance with Establishment Memorandum 22 dated 27 September 44.

Distribution A

W. H. Adams
for
D.S. ADAMS
Colonel, C.E.,
Director, Tn.S/C.

4595

APPENDIX "A"

Formation Maintenance Crews

The basis of the 10 day system of maintenance is the British Daily Task System, which provides for the performance of 16 tasks, under which every component part of a vehicle is inspected over a period of 14 days.

These tasks have been combined and instead of being performed by one man over a period of 14 days, they are performed by a squad of 4 men in one day.

The crew consists of 4 men, one Greaser, one Electrician, 1st Mechanic and 2nd Mechanic, with duties as shown on Appendix "B" attached.

Each crew should be supervised by a mechanic thoroughly familiar with all vehicle components and their maintenance.

A monthly roster should be prepared dead-lining each vehicle every 10th day and every precaution should be taken to insure that the vehicle is available for the crew on the day appointed.

Four ramps capable of taking both the smallest and largest vehicle should be provided for each maintenance squad thus enabling the crews to work on four vehicles at a time. It has been found in practice that each operator requires approximately two hours to perform his duties and one squad can therefore complete four vehicles in a day.

Owing to the shortage of Army personnel it is not possible to employ outside the Army areas Allied soldiers in a driver capacity and in every case, with the exception of courier vehicles, civilian drivers will be employed and the Allied drivers thus released will be employed in a supervisory capacity.

Full use should be made of the existing civilian staffs of requisitioned garages and in every garage where U.S. vehicles are being maintained an Allied soldier should be installed in a supervisory capacity.

Thereafter the substitution of civilian drivers for Army drivers, there is still insufficient soldier personnel within the Region to adequately supervise, the fact should be reported to this H.C. and steps will be taken to make up the deficiencies. 4594

In order to standardise still further the maintenance of all vehicles, engine oil changes on all types of vehicles will be made every 20 days (every other inspection day) irrespective of sump capacity of the vehicle.

Gear Box, Transfer Box, and Axle oil changes will be made every eighth inspection day. These oil changes will on all occasions be recorded in the case of American vehicles on Maintenance Form 1 and in respect of British vehicles in the A.B. 412 and A.B. 406.

APPENDIX B

MAINT. FORM No. 13
4593

RAPPORTO SULL'ISPEZIONE DELL'AUTOVEICOLO

Nome del conducente.....

MOTORE	1. Coppa	Viglia	Data	TRASMISSIONE	13. Scatola del cambio	25. Pompe per la gomma e tubo di gonfiaggio.	
	Lettura del conto Km.....				14. Presa di forza		26. Equipaggiamento elettrico
	Frequente cambio olio.....				15. Frano e pedale		
	Il prossimo cambio sarà fatto a				16. Freno a mano		
	2. Motore				17. Albero, giunti, barre di tensione ecc.		
ASSE POSTERIORE	3. Radiatore e sistema di raffreddamento			ASSE POSTERIORE	18. Asse e mozzi	29. Osservazioni sulle prove su strada	
	4. Sistema di lubrificazione				19. Ruote		30. Condizioni Generali
	Medio				20. Gomme Sin. Dest. condizioni pressione		
	5. Regolatore di velocità				21. Predisposizione		
	6. Sistema di accensione				22. Cassone		
	7. Asse, semi-asse, e mozzi				23. Cabina o cabina	DATA..... Ispezionato da..... Reparto.....	
	8. Balestre				24. Condizioni degli attrezzi e dell'equipaggiamento		
	9. Sterzo						
	10. Ruota						
		11. Gomme Sin. Dest. Ruota condizioni pressione					
	12. Frizione e controllo (pedale)						

FOUR OPERATORS : 1 GREASER 1 MECHANIC 2 MECHANICS

1st OPERATOR GREASER

<u>LUBRICATION</u>						
1.	Lubricate nipples with high pressure gun, as laid down on lubrication chart					
2.	Check levels in steering box, gear box, transfer case and differentials and, where necessary, <i>grease joints</i>					
3.	Check levels in shock absorbers					
4.	Lubricate with oil gun, all linkages such as hand brake, clutch shaft, throttle controls etc.					
5.	Change oils when necessary.					
6.	Clean and refill oil air filter.					

REPORT ALL DEFECTS REMOVED THE SCORE OF OPERATOR

Remarks:

Initials of Operator

2nd OPERATOR 1st MECHANIC

ENGINE

1. A. Inspect and adjust or tighten if necessary

- 1) Cylinder head studs.
- 2) Exhaust and inlet manifold joints
- 3) All brackets mounted on engine

B. Inspect oil tight joints.

<u>4502</u>	
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transfer case and differentials and, where necessary, oil joints.

3. Check levels in shock absorbers
4. Lubricate with oil gun, all linkages such as hand brake, clutch shaft, throttle controls etc.
5. Change oils when necessary.
6. Clean and refill oil air filter.

REPORT AND DEFECTS PERIOD THE SCORE OF OPERATOR

Remarks:

Initials of Operator

1st MECHANIC

2nd OPERATOR

ENGINE

1. A. Inspect and adjust or tighten if necessary

1) Cylinder head studs.

2) Exhaust and inlet manifold joints

3) All brackets mounted on engine

- B. Inspect oil tight joints.

1) Valve gear cover plate.

2) Timing case joints.

3) Oil pipe unions, flange on external oil tank, oil tank, oil tank, and relief valves.

4502

C. Inspect all external oil pipes.

- 1) Rubbing.
- 2) Kinking.

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2. A. Inspect radiator for leaks.

B. Check and tightn where necessary

--	--

- 1) Radiator and the rod fittings.
- 2) Bonnet fittings.

C. Inspect water tight joints and glands.
Tighten if necessary:

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- 1) Flange water joints.
- 2) Hose joints and clips.
- 3) Water pump.
- 4) Drain cocks.

D. Inspect fan for clearance and adjust belt if necessary.

E. Check filter and cleanliness of water

- 3. A. Clean all fuel filters.
- B. Check fuel system for leaks.

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- 1) Flooding carburetter
- 2) Taps, drain cocks, union and fibre washers.
- 3) Petrol pump and filters

C. Check and tighten if necessary carburetter mounting bolts.

1) Radiator and the rod fittings.

2) Bonnet fittings.

C. Inspect water tight joints and glands.
Tighten if necessary:

1) Flange water joints.

2) Hose joints and clips.

3) Water pump.

4) Drain cocks.

D. Inspect fan for clearance and adjust belt if necessary.

E. Check filter and cleanliness of water

3. A. Clean all fuel filters.

B. Check fuel system for leaks.

1) Flooding carburetter

2) Taps, drain cocks, union and fibre washers.

3) Petrol pump and filters

C. Check and tighten if necessary carburetter mounting bolts.

4. WHEN VEHICLE IS DRIVEN OFF RAMP

A. Listen for engine knocks.

B. Listen for uneven firings.

C. Examine exhaust system for leakages.

D. Check compression.

5. A. Check and where necessary-tighten:

1) Sump studs.

2) Engine mounting or bearer bolts

3) Radiator mounting bolts, or trunions.

B. Examine underside of vehicle for oil leaks.

REPORT ALL DEFECTS BEYOND THE SCOPE OF OPERATOR

Remarks:-

Initials of Operator

3rd OPERATOR

2nd MECHANIC

UNDERSIDE OF VEHICLE

1. A. Check clutch pedal for correct free movement.

B. Check foot brake pedal and hand brake lever for clearance.

2. Check and tighten where necessary:

A. Front wing balance bolts.

B. Door locks and hinges.

C. Body side and tail bolts.

D. Spare wheel mounting.

3. Check tools and fire extinguisher.

4. WHEN VEHICLE IS DRIVEN OFF RAMP:

A. Check brakes for operation.

4591

Remarks:-

Initials of Operator

3rd OPERATOR 2nd MECHANIC

UNDERSIDE OF VEHICLE

1. A. Check clutch pedal for correct free movement.
- B. Check foot brake pedal and hand brake lever for clearance.

2. Check and tighten where necessary:

- A. Front wing balance bolts.
- B. Door locks and hinges.
- C. Body side and tail bolts.
- D. Spare wheel mounting.

3. Check tools and fire extinguisher.

4. WHEN VEHICLE IS DRIVEN OFF RAMP:

- A. Check brakes for operation.

STEERING. 1. A. Inspect and tighten all bolts where necessary
(Extreme care to ensure steering box securing studs are tight).

- B. Inspect all working joints for wear.

- C. Check for bent and damaged rods.

2. Front axle and springs.

A. Inspect and tighten where necessary:

- 1) All air tight joints.
- 2) Half shaft flange bolts.
- 3) Wheel nuts.

B. Check and tighten where necessary:

- 1) Spring "U" bolts.
- 2) Spring clips.
- 3) Shackles nuts.

C. Check spring hanger bracket rivets for signs of wear.

D. Examine springs for broken leaves or centre bolts.

3. A. Inspect gear box and transfer box mountings and tighten where necessary.

B. Check for oil leaks.

C. Inspect and where necessary tighten:

- 1) Brake cross shaft bearing brackets.
- 2) All belted brackets and levers.
- 3) Brakes serve and/or hydraulic mountings and unions.
- 4) Check working of all external brake pull off springs.

4. Frame and Body

Check and if necessary tighten:

- 1) Body floor bolts.
- 2) Body holding down bolts.

B. Check and tighten where necessary:

- 1) Spring "U" bolts.
- 2) Spring clips.
- 3) Shackle nuts.

C. Check spring hanger bracket rivets for signs of wear.

D. Examine springs for broken leaves or centre bolts.

3. A. Inspect gear box and transfer box mountings and tighten where necessary.

B. Check for oil leaks.

C. Inspect and where necessary tighten:

- 1) Brake cross shaft bearing brackets.
- 2) All belted brackets and levers.
- 3) Braks serve and/or hydraulic mountings and unions.
- 4) Check working of all external brake pull off springs.

4. Trame and Body

Check and if necessary tighten:

- 1) Body floor bolts.
- 2) Body holding down bolts.
- 3) Front and rear mud-wing support bracket bolts.
- 4) Fuel tank mounting bolts.
- 5) Silencer and exhaust bracket bolts

- 6) Towing appliances. □
5. Rear axle and Spring, as for 2. Front axle and Spring
6. Transmission and transfer.
- Inspect and tighten where necessary:
- 1) Nuts and bolts of universal joint couplings. □
- 2) Propellor shaft and centre bearings and brackst if fitted.

REPORT ALL DEFECTS BEYOND THE SCOPE OF OPERATOR

Remarks:-

Initials of Operator

4th OPERATOR

ELECTRICIAN

1. Inspect ammeter for charging and starter for operation before vehicle is driven off ramp.

2. Generator

- 1) Inspect generator terminals and tighten if necessary.
- 2) Inspect mounting bolts of regulator and out out.
- 3) Inspect terminals and regulator unit
- 4) Lubricate with oil can if necessary
- 5) Inspect for correct fitting of 659 accumulator cover

3. Starter

- 1) Clean and tighten if necessary all starter motor terminals.
- 2) Inspect all cables for rubbing and shorts.

Inspect all cables for rubbing and shorts.

- 2) Propellor shaft and centre bearings and brackst if fitted.

REPORT ALL DEFECTS BEYOND THE SCOPE OF OPERATOR

Remarks:-

Initials of Operator

4th OPERATOR

ELECTRICIAN

1. Inspect ammeter for charging and starter for operation before vehicle is driven off ramp.

2. Generator

- 1) Inspect generator terminals and tighten if necessary.

- 2) Inspect mounting bolts of regulator and cut out.

- 3) Inspect terminals and regulator unit

- 4) Lubricate with oil can if necessary

- 5) Inspect for correct fitting of 650 accumulator cover

3. Starter

- 1) Clean and tighten if necessary all starter motor terminals.

- 2) Inspect all cables for rubbing and shorts.

- 3) Lubricate starter when necessary.

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4. Battery

- 1) Inspect battery for cell cracks and leaks.
- 2) Remove battery and inspect battery carrier and if dirty or corroded clean and repaint.
- 3) Clean battery case
- 4) Inspect terminals for corrosion and clean if necessary. Smear terminals with vasoline or lanoline, do not use grease.
- 5) Examine vent plugs and ensure holes are clean
- 6) Check levels of electrolyte and top up, if necessary.
- 7) Inspect and tighten mounting belts where necessary.

5. Ignition

- 1) Inspect all terminals and tighten where necessary.
- 2) Clean all H.T. leads and plugs. Adjust points if necessary charge plugs with broken porcelain.
- 3) Clean all earth connections.
- 4) Inspect coil assembly and tighten if necessary.
- 5) Check automatic advance and retard for free movement.
- 6) Clean distributor cap.
- 7) Check operation of contact breaker and setting of points.
- 8) Lubricate distributor spindle when necessary.

- 4) Inspect terminals for corrosion and clean if necessary. Smear terminals with vaseline or lanoline, do not use grease.
- 5) Examine vent plugs and ensure holes are clean
- 6) Check levels of electrolyte and top up, if necessary.
- 7) Inspect and tighten mounting belts where necessary.

5. Ignition

- 1) Inspect all terminals and tighten where necessary.
- 2) Clean all H.T. leads and plugs. Adjust points if necessary charge plugs with broken porcelain.
- 3) Clean all earth connections.
- 4) Inspect coil assembly and tighten if necessary.
- 5) Check automatic advance and retard for free movement.
- 6) Clean distributor cap.
- 7) Check operation of contact breaker and setting of points.
- 8) Lubricate distributor spindle when necessary.

6. Lighting

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- 1) Inspect exposed leads and masks when fitted.

2) Inspect mounting bolts and brackets of all lamps, switches and instrument board and all electrical accessories.

3) Inspect all screw terminals and tighten when necessary.

4) Ensure all lamps light and no leads showing.

5) Check horn for operation.

7. Engine

Inspect sparking plug terminals and points, change plugs with broken porcelain.

REPORT ALL DEFECTS BEYOND SCOPE OF OPERATOR

Remarks:-

Initials of Operator

4589

APPENDICE "C"

INFORMAZIONI

Autovetture e autocarri

1. Comune..... Provincia..... Regione.....
2. Tipo (autovettura o autocarro)..... Capacità.....
3. Condizione del veicolo..... del motore..... della batteria.....
4. Fabbrica..... Modello..... Numero del motore.....
5. Targa No..... Marca.....
6. Attuale proprietario effettivo (M.C. A.C. o civile).....
7. Nome e indirizzo.....
8. No. del permesso..... Rilasciato da.....
9. Adoperato da.....
b) Scopo.....
c) Uso autorizzato.....
10. Numero di gomme attualmente con il veicolo..... condizione.....
11. Numero di copertoni e camere d'aria richieste.....
12. Misura di copertoni e camere d'aria richieste.....
13. Misura e voltaggio della batteria (se assolutamente necessario).....
14. Giustificazione (in dettaglio).....

Il Dichiarante

1944

4583

Transportation S.C.
R/16
RESTRICTED

HEADQUARTERS
NORTH AFRICAN THEATER OF OPERATIONS
UNITED STATES ARMY
APO 534

21 September 1944

AG 537/406 D-0

SUBJECT: Conservation of Transportation Facilities.

TO : All Concerned.

1. A critical shortage of 2½-ton 6x6 trucks is developing in this theater as well as in the Zone of Interior. The continual extension of the lines of communication and the approaching rainy season are greatly increasing the requirements for all transportation. Depot stocks in the theater are not adequate to meet either present or prospective demands.

2. It is necessary that every possible effort be made to conserve this vital transportation. These vehicles must be restricted to essential uses only, and the quality of all echelons of maintenance improved to the maximum extent. Inspection by commanders and Inspectors General will be made frequently to check the use of vehicles and to assure that 1st and 2nd echelon maintenance is being adequately and completely carried out on these trucks.

3. All commanders will give this matter their personal attention. Prompt and vigorous steps, including appropriate disciplinary action, will be taken to carry out the intent and spirit of this directive.

By command of Lieutenant General DEVERS:

DISTRIBUTION:

- "X"
1 - Ordnance
1 - G-4
2 - AG Records



R. H. Frese
R. H. FRESE,
Captain, AGD,
Asst Adjutant General.

ACC-DIST
Exec. O (A)
4-4 (A)
2675 Regt
Hq. Command
4587
Adj.

- 1 -

RESTRICTED

HEADQUARTERS
UNITED STATES COMMISSION
OFFICE OF C-4
APO 394

DM/eh

02/101/0/16

SUBJECT: Vehicle Maintenance.

TO : Regional Commissioner, Liguria Region.

20 September 1944.

W.D.P.
21/7

Reference your RMV/cjs of 15 September 1944.

1. Ford Staff Cars in this formation are issued without spare wheels which are unobtainable. If you will inform this branch of the various sizes of tyres on the wheels, the matter will be taken up with H.Q. Commandant. There is a great shortage of tyres in this country.

2. As to the remaining faults reported, it must be pointed out that Capt. Bricknell took over this car about 8th September 44 and made no report to this branch of faults, nor was any fault noted on the A.F.O. 1033. Your letter written one week later is the first report received of any defects.

3. Before the matter can be taken up with H.Q. Commandant it is requested this H.Q. be informed:-

- i. What check Capt. Bricknell made before taking over the vehicle.
- ii. Whether any faults were then noted. Faults causing the car not to function properly should have been noted, even without a complete mechanical check.
- iii. When examination referred to in your letter was carried out.
- iv. What mileage had been done and maintenance carried out in the meanwhile.

4. This H.Q. is most concerned to see that vehicles issued from H.Q. Pool to Regions are in good condition and is always willing to help as far as possible in that direction. However, it is up to Regions to satisfy themselves with the condition of vehicles before taking them on charge.

5. Reference paragraph 9 and your D.O. letter of 19th Sept. 1944 it is regretted that no further Staff Cars are available for issue. All the Staff Cars of this formation have reached a stage where they need continuing attention and replacements are impossible to obtain.

Donald H. Hadden, Cpt

S.W. MILLER,
Lieut. Col.
C-4.

4586

Copies to:- H.Q. Commandant.
Transportation Sub-Commission.
Executive Officer (A).

2. As to the remaining faults reported, it must be pointed out that Capt. Beiknell took over this car about 9th September 44 and made no report to this branch of faults, nor was any fault noted on the A.F.O. 1033. Your letter written on 1st October is the first report received of any defects.

3. Before the matter can be taken up with H.Q. Commandant it is requested this H.Q. be informed:-

- i. What check Capt. Beiknell made before taking over the vehicle.
- ii. Whether any faults were then noted. Faults causing the car not to function properly should have been noted, even without a complete mechanical check.
- iii. When examination referred to in your letter was carried out.
- iv. What mileage had been done and maintenance carried out in the meantime.

This H.Q. is most concerned to see that vehicles issued from H.Q. Pool to Regions are in good condition and is always willing to help as far as possible in that direction. However, it is up to Regions to satisfy themselves with the condition of vehicles before taking them on charge.

5. Reference paragraph 9 and your D.O. letter of 19th Sept. 1944 it is regretted that no further Staff Cars are available for issue. All the Staff Cars of this formation have reached a stage where they need continued attention and replacements are impossible to obtain.

Donald H. Hedden Capt

R.N. MILLER.
Lieut. Col.
G-4.

4586

Copies to:- H.Q. Commandant.
Transportation Sub-Commission.
Executive Officer (A).

HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission
APO 394

Tele: 378

September 1944

ACC/TB/R/16

SUBJECT: Establishment of Maintenance, Road Division, Transportation
Sub-Commission.

TO : Establishments Officer.

1. Effective _____ a Maintenance Section will be established under the Road Division, Transportation Sub-Commission.
2. The Road Division will assume complete responsibility for supervision, control, organization and inspection of all vehicles maintenance (both W.D. & W.E); to include both domestic and civil transport vehicles of this Hq. and the Regions.
 - a. To carry out this responsibility:
 1. All maintenance and operating personnel in this Hq. and in the Regions operating or maintaining motor transport will be assigned to the Transportation Sub-Commission.
 2. All tools and equipment for maintaining these vehicles will be turned over to the Transportation Sub-Commission.
 3. Transportation Sub-Commission will be responsible for garage allocation.
 3. Responsibility of G-4 (See Annex "A" and "B" attached).
 4. Responsibility of other elements:
 - a. Hq. Maintenance Officer will be responsible for the carrying out of the duties detailed in para 2(a) above, directly with Road Division and in a supervising manner over the Regions. It is essential that all incidents involving accountability of property be coordinated

Para 3 (b) Cont.

with G-4 (both American and British) See Annex A and B).

- h. Regional Maintenance Officers will be directly responsible for the maintenance of all vehicles within their respective Region; the supervising and training of personnel in maintenance and driving, and the continuous execution of preventative maintenance. He will make frequent technical inspection of all vehicles within his Region and bring about correction of all deficiencies noted.
- g. Regional Commissioners will assume the usual "Commanding Officer" responsibility and supervision as directed in U.S. AR 83 and AR 35-6640 and AR 850-15.
5. Accountability (See Annex G-4 A. & B).
6. All maintenance officers will establish maintenance channels for repair and evacuation within their respective scope of operations.

RESPONSABILITY OF G-4 (A)

I. VEHICLE RECORDS.

A. G-4 (A) will be responsible for keeping of all records on vehicles and items of supply.

B. The transportation S.C. will turn over to G-4 (A) the complete records on all vehicles, motor maintenance equipment and accessories at present on charge to Transportation Sub-Comm.

C. A Property Book will be set up in each Region by the American Transportation Officer in accordance with instructions contained in Circular 170, War Dep., dated 24 July 1944. The vehicles, motor maintenance equipment, and accessories, formerly recorded by Transportation Sub-Comm., will not be picked up on the Co. Property Book in the Region, but on a separate Property Book.

D. Reports of Survey or certificates will be prepared on damaged, lost, or stolen vehicles, m.m. equip. or accessories by the American Transportation Officer in each Region and forwarded to G-4 (A), Ref. A.R. (35-6640).

E. In case of salvage through an Ordnance Depot, a true copy of the Salvage Receipt of the old vehicle, and the Tally out on the new vehicle, will be forwarded to G-4 (A).

II. REPORTS.

A. Monthly Material Status Report will be submitted by the Regional American Transportation Officer on forms furnished by G-4 (A), indicating status of equipment as of 1200 hours on the 10th day of each month, so as to reach the office of G-4 (A) not later than 1200 hours on the 12th day of each month. This deadline must be met.

III. TRANSFERS.

A. Transfers of vehicles, m.m. equip. or accessories will be made only with the written authority of G-4 (A). When transfer has been accomplished by the Region, a signed copy of the Shipping Ticket, QMC form 434, will be forwarded to G-4 (A) by the Region making the transfer.

IV. SUPPLY.

A. All American vehicles and motor maintenance T/E equipment will be drawn through G-4 (A) this Headquarters. ⁴⁵⁸²

B. All motor maintenance parts will be drawn, on an exchange basis, direct from the nearest Ordnance Depot. If no Ordnance Depot is available or for any reason the Ordnance Depot cannot supply

supply the parts required, requisitions should be submitted to G-4 (A).

C. Unserviceable vehicles may be salvaged at any Ordnance Depot. Unserviceable American vehicles will not be turned in to REME. Replacements may be drawn direct from the nearest Ordnance Depot, see paragraph I, Section A.

D. Requisitions for all T/E equipment will be submitted to G-4 (A) on the 13th and 28th of each month.

V. MAINTENANCE.

A. The Transportation Sub-Commission A.C.C. has assumed responsibility for maintenance of all A.C.C. vehicles.

ANNEX "B"

Responsibility of G-4 Branch (British)

1. G-4 Branch will be responsible for records and major items of supply.

2. Records.

a. Transportation Sub-Commission will give to G-4 the information and documents set out in Appendix "A" hereto. G-4 Branch will keep all records and prepare vehicles census of all W.D. vehicles in use in the Sub-Commission.

b. Vehicle Casualties: These will be rendered by G-4 Branch for all W.D. vehicles of the Commission.

c. Vehicle locations:

(i) Distribution of all vehicles to Regions. AMG Armies will be recorded by G-4. For this purpose whenever W.D. vehicles (other than W.E. vehicles) are moved from one part of the Commission to another, a copy of the movement order will be sent to G-4. W.E. vehicles will not be moved except on the instructions of G-4 Branch.

(ii) Whenever any W.D. vehicles, whether on W.E. or not is transferred from one part of the Commission to another, transferor and transferee will sign and exchange A.P's G.1033 and transferor will forward a third copy signed by both to G-4 Branch.

3. Supply.

a. Vehicles:

(i) Except as provided in sub-para (a) (ii) no vehicles will be drawn by any Region, or other part of the Commission except on the instructions of G-4 Branch.

(ii) AMG 8th Army are authorized to replace unserviceable British vehicles by vehicles of the same category through Army sources. They are not authorized to draw additional vehicles or replace a vehicle of one type by a vehicle of another type without G-4 sanction.

Para 3 (Cont'd)

b. Equipment:

(i) Regions will be responsible for indenting for their own vehicle tools and spare parts.

(ii) G-4 will indent for all G.1098 M.T. Equipment and LAD equipment authorized under Special List 94/1 and will issue same when received to Transportation Sub-Commission for allotment.

(iii) G-4 will indent for M.T. First Aid Kits to scale, and will issue them to Transportation Sub-Commission who will be responsible for keeping them replenished.

(iv) If any major items of gragee quipmentare required, suplus to LAD scale, Transportation Sub-Commission will submit a special case to G-4 Branch for supply.

4. In order to carre out the above policy the returns set out in Appendix "B" will be rendered to G-4 Branch by the parties set out in such appendix.

All previous instructions as to returns to G-4 Branch are cancelled.

5. Administrative Instruction No. 3 of 18 April 44 is cancelled and responsibility for vehicles will be set out in Appendix "C".

Appendix "A"

Returns Required For.

1. Details of W.D. Vehicles so far authorized for issue for civilian supply.
Copy of authorities to accompany.
2. Details of number of vehicles issued against each authority.
3. Details of vehicles now held showing Region, Sub-Commission etc. holding them.
4. In case of a difference of numbers between 2 & 3, statement of reasons for difference including authority for write-off etc.
5. Details of any further releases of vehicles requested or expected.
6. Details of any vehicles not of American or British origin held or released.

Appendix "B"

Returns to be Rendered

<u>Type of Return</u>	<u>Rendered by.</u>	<u>Rendered to</u>	<u>Date.</u>
Return of all vehicles in possession or under orders that have been issued from any British source other than G-4 or Transportation Sub-Commission and present locations.	All Regions, AMG Armies, Sections, Sub-Commissions or Branches	G-4 (B)	
Vehicle Census Return (WE, Civilian Supply & Miscellaneous vehicles will all be shown but separately).	Responsible Officers named in Appendix "C"	G-4 (B)	21 st each month
Vehicle Casualties.- Any vehicle lost, stolen, or otherwise struck off strength (e.g. Fire, accident, wear and tear). No particular form is necessary but vehicle must be clearly identified. If BLR, cause must be stated and BLR certificate forwarded as early as possible.	Responsible Officers named in Appendix "C"	G-4 (B)	Within 24 hours

Appendix "C"

1. With effect from 1st August 1944 responsibility for recording and returns of all vehicles whether WE, civilian or otherwise authorized will be as follows:

Responsible Officer	Vehicles for which Responsible
H.Q. Commandant.	1. All British WE vehicles and Requisitioned vehicles in Hq. Motor Pools and Rome and Naples, or assigned to any official, sub-commission etc., other than sub-commission etc. of which the Director is "Responsible Officer" as set out in this Instruction. 2. Vehicles of Liaison Officers in Rome or Naples including L.O. at AAI.
Director, Transportation Sub-Commission.	1. All WE and Requisitioned vehicles assigned to Transportation Sub-Commission. 2. All other vehicles (civilian supply, fire etc.) assigned to Sub-Commission, branches etc. at Hq. ACC.
SCAO's 5th & 8th Armies.	All WE, civilian Supply & other vehicles working with respective armies, including vehicles of Italian Refugee Branch.
Regional Commissioners and Provincial Commissioners of Independent Provinces	1. All WE vehicles on charge to Region or Province. 2. All requisitioned Cars requisitioned by or transferred to Region or Province. 3. All civilian supply vehicles allotted to Region or Province. 4. Any other W.D. vehicles working within the Region or Province on civilian work of which notice is given to Regional or other Commissioner by C-4 Branch.

Responsible Officer	Vehicles for which Responsible
Regional Commissioners and Provincial Commissioners of Independent Provinces.	5. <u>For maintenance only</u> , any vehicle of Italian Re- fugees Branch or Internees and Displaced Persons Sub- Commission working within the Region or Province of which notice is given to Regional or other Commis- sioner by Italian Refugees Branch or I & D.P. Sub- Commission.
Internees & Displaced Persons Sub-Commission	All own vehicles
Italian Refugee Branch	All own vehicles except those working in Army Areas.

* Raus - Italian S-C

R/16
CHP

For information
of return, please

CHP
28/9.

File

Name of Unit
Name of C.O.
Vehicles : for establishment
Held

: Allied Control Commission (Chieti Province).
: Cap. F.A. Price, RAC.
: " M/O's - W.E. HO.
: 52 (40 American) M/O's -
: (12 British)
: 10 British
: 4th September 1944.
: Nil.

Inspected
Date of inspection
Ref. to previous inspection report

1. STANDARD OF MAINTENANCE

Unsatisfactory. Such maintenance as is being done is insufficient to keep the vehicles in a satisfactorily maintained condition.

2. H.T. DINGHIE This needs strict supervision (since all drivers are Italian), by British personnel. British Tank System not in operation.

3. MAINTENANCE
(a) General

Zone kept. American Card System is in operation.

(b) Engines

(i) General Two cases of Dodge rear main bearings, another for tightening. (are fan for adjustment. Most engines had their exhausts silencers plugged in order to obtain a In two cases the elementary criteria. No information as to change.

(ii) Oil Pressure

Oil pressure has been removed since they were w

4. AIR AND FUEL SYSTEMS

One air cleaner mounting was loose and another unsatisfactorily adapted. One air cleaner oil level was too low.

5. ELECTRICAL

One case of horn oil levels low. One case of bearing linkage for lubrication. Loose in chassis. One case of securing linkage for lubrication.

6. TRANSMISSION

One case of 1/3's for lubrication - 3 cases of gearbox rear bearing oil seal bolts for tightening - 4 cases of propshaft centre bearing mounting bolts for tightening - 2 cases of differential for changing (2.00 being two instead of 1.50) - 1 case of gearbox oil level too low - 5 cases of clutches for adjustment - 1 case of 1/3 bolts for tightening. One case being used for lubrication. One case of 1/3 bolts for tightening. One case of 1/3 bolts for tightening.

Reported
: 4th September 1944.
: File.

Page of instruction
Ref. to previous instruction Report

1. STANDARD OF MAINTENANCE

Unsatisfactory. Such maintenance as is being done is insufficient to keep the vehicles in a satisfactorily maintained condition.

2. M.T. DISCUSSION This needs strict supervision (since all drivers are Italian), by British personnel. British Tank System not in operation.

3. LUBRICATION SYSTEM

(a) Lubrication The American Card System is in operation.

(b) Lubrication

(c) Lubrication

(d) Lubrication

(a) General Two cases of Dodge rear mounting bolts for attention (one loose, another for tightening). One fan belt for adjustment. Most engines had their exhaust silencers pierced in order to obtain a noisy exhaust. No information as to changes. In two cases the electric oil pumps had been removed since they were u/s.

4. AIR CLEANERS

One air cleaner mounting was loose and another unsatisfactorily adapted. One air cleaner oil level was too low.

5. SPINDLES

Two cases of box oil levels low. One case of box mounting bolts loose on spindles. One case of steering linkage for lubrication.

6. GEARBOXES

5 cases of U/V's for lubrication - 3 cases of gearbox rear bearing oil seal bolts for tightening - 2 cases of propshaft centre bearing mounting bolts for tightening - 2 cases of differential for changing (0.50 being used instead of Hypoid 20) - 1 case of gearbox oil level too low - 3 cases of clutches for adjustment - 1 case of U/V bolts for tightening. Grease being used for lubrication.

7. SHOCKERS

5 cases of spring shackles for lubrication. One case of U/V bolts for tightening. 11 shock absorbers required topping up. Grease G.S. is being used for lubrication.

8. SPRING BOLTS ETC.

Two cases of body bolts for attention and tightening.

9. BOLT TIGHTENING

3 cases of bolts for topping up. Grease G.S. being used on screws. Two cases of body bolts not tight.

10. TIRE

Excess air in tires. Several tires were uncompressible and had to be replaced. 0.50 G.S. not yet in use. Many vehicles had 12-ply tires. On first run in not at the rear. The general condition with regard to tires can be summed up as unsatisfactory.

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12. OUR STAFF Good. A complete recording and clearing system exists for the issue of P.O.I. Absolute cleanliness exists from oil store to engines.

13. (a) NO. OF REPORTS SUBMITTED TO UNIT FOR ACTION BY DIRECT REPORT : Nil.

(b) UNRECORDED DEFECTS :

Defects are not noted until the actual day for maintenance (3 times weekly).

14. POINTS RAISED BY UNIT

The position with regard to transport is that Capt. Price M30, has been sent by A.T.H.A. to investigate the transport position. This officer has found the vehicles running under an American Maintenance plan, which caters both for written records and maintenance in practice. In view of the present unsatisfactory maintenance is suggested that there are two solutions :-

(1) To continue with the existing system (to which the Italians have become used) and ensure that maintenance is satisfactorily carried out on the vehicles' off days, by having British Sgts. at each of the three depots.

(2) To scrap the existing organization and institute the British '16 Task System'. This will mean (a) completely reorganising all existing cars, files and other records in the office, (b) issuing the Italian drivers with M3's L42 printed in Italian. Since vehicles are coming and going at all hours of the day, adequate supervision (a necessity with all Italian drivers) will be made very difficult to achieve.

The above officer is in the predicament of not knowing what his present position is; whether it is likely to be temporary or permanent since it has neither written or verbal orders.

There are no spares available for the American Chevrolet vehicles.

15. RECOMMENDATIONS

1. That one or other of the two systems put forward in Para. 14 be instituted. If the first plan is adopted, another British Sgt. will be required on the staff in order that the proposed 3 depots (as opposed to the existing four) can be effectively supervised. Experience has shown that Italian supervision of their own personnel is a complete waste of time. For the second plan, M3's L42 in Italian will be essential together with a complete reorganisation of all office records.

16. REMARKS

This unit, possessing all Italian personnel, has been without an M.T. Officer for some weeks, the existing American one having left. A system of maintenance exists on the following lines :- Every 10 days all vehicles come off the road for maintenance, during this day all maintenance repairs are done and if necessary the vehicle detailed for the following day. It is sufficient for the purposes of this report to state that this as it exists at present is not keeping the vehicles satisfactorily maintained. Until the arrival of Capt. Price M30,

the position with regard to transport is that Capt. Price USS, has been sent by A.P.M. to investigate the transport position. This officer has found the vehicles running under an American Maintenance plan, which covers both for written records and maintenance in practice. In view of the present unsatisfactory maintenance it is suggested that there are two solutions:-

(1) To continue with the existing system (to which the Italians have become used) and ensure that maintenance is satisfactorily carried out on the vehicles' off days, by having British Sgts. at each of the three depots.

(2) To scrap the existing organization and institute the British 'Fast System'. This will mean (a) completely reorganising all existing cards, files and other records in the office, (b) issuing the Italian drivers with A.D's 442 printed in Italian. Since vehicles are coming and going at all hours of the day, adequate supervision (a necessity with all Italian drivers) will be made very difficult to achieve.

The above officer is in the predicament of not knowing what his present position is; whether it is likely to be temporary or permanent and has neither written or verbal orders.

There are no spares available for the American Chevrolet vehicles.

15. ORGANIZATION

1. That one or other of the two systems put forward in Para. 14 be instituted. If the first plan is adopted, another British Sgt. will be required on the staff in order that the proposed 3 depots (as opposed to the existing four) can be effectively supervised. Experience has shown that Italian supervision of their own personnel is a complete waste of time. For the second plan, A.D's 442 in Italian will be essential together with a complete reorganization of all office records.

16. COMMENTS

This unit, possessing all Italian personnel, has been without an A.C. battery for some weeks, the existing American one having left. A system of reinforcement exists on the following lines:- Every 10 days all vehicles come off the road for maintenance, during this day all maintenance repairs are done and if necessary the vehicle detailed for the following day. It is sufficient for the purposes of this report to state that this as it exists at present is not keeping the vehicles satisfactorily maintained. Until the arrival of Capt. Price USS, plus two Sgts. 6 days ago, there were no British personnel connected with the transport. As mentioned in Para. 14, given British Sgts. to supervise the maintenance at each of the three depots, it is estimated that the existing organization (to which the Italian staff have now become accustomed) can be made efficient. It is the opinion of the Inspector that the existing system (which is the easiest to supervise with a small British staff) will, if properly executed give better results than a complete changeover to the British system.

RECOMMENDATION

Chief Commissioner, A.C.S.
D.D.M.S. & Assistant
1947/1/15

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DRAFT

DCW/kwla.

Responsibility of Transportation Sub-Commission.

1. Transportation Sub-Commission will be responsible for the supervision of maintenance of all vehicles, whether domestic or civilian supply, held within A.C.C. and will have control of all equipment, garages and transport personnel.
2. Maintenance. Transportation Sub-Commission will be responsible for the provision of maintenance facilities in the form of personnel, tools and equipment, and garages and will forthwith make a review of all available personnel and equipment with a view to making an equitable distribution throughout the organisation.
3. A.C.C. M.I. personnel, both Officers and E.M's/O.R's, will be assigned to Transportation Sub-Commission v.e.f. date of this memorandum.
4. A.C.C. vehicles, whether domestic or civilian supply, within the Region or Province will come under the control of the Regional Transportation Officer and garages etc. established will be combined garages with facilities made available to all.

James J. Carnes,

2. Maintenance. Transportation Sub-Commission will be responsible for the provision of maintenance facilities in the form of personnel, tools and equipment, and garages and will forthwith make a review of all available personnel and equipment with a view to making an equitable distribution throughout the organisation.
3. A.C.C. M.T. personnel, both Officers and E.M's/O.R's, will be assigned to Transportation Sub-Commission v.e.f. date of this memorandum.
4. A.C.C. vehicles, whether domestic or civilian supply, within the Region or Province will come under the control of the Regional Transportation Officer and garages etc. established will be combined garages with facilities made available to all.

James J. Larnes,

Col. Ref. 574

Road Section Trans. S/C

Report on visit to Transportation Section Region 4.

1. The responsibilities of maintenance of A.C.C. TO/WE Vehicles have not yet been placed with the Regional Transportation Officer and in the interim have been taken over by O.C. Company "D", Captain Johnson.
2. He stated that records of vehicles and personnel held within the Regions were not correct as it was known that Region "Z" had taken some vehicles which did not belong to them but that returns by the Provinces had been called for.
3. At Headquarters approximately 8 American W.D. vehicles are held, no British W.D. vehicles and approximately 100 requisitioned civilian cars. Many of these latter are off the road and in the Public Safety Garage.
4. Transport personnel at Headquarters consists of:
 - 1 British Infantry Sergeant (with no special aptitude or ability for M.T.)
 - 3 British drivers.
 - 1 American corporal and 6 American drivers.
5. Garage accommodation consists of the Forte Garage and the Public Safety Garage. The former capable of providing facilities for 1st Echelon maintenance only on about 30 vehicles supervised by a British Sergeant and two drivers, and the latter well equipped and suitable for carrying out maintenance up to 3rd Echelon on about 200 vehicles, supervised by an American corporal and two American drivers with the garage's normal staff.
6. An inspection was made of
 - (a) the Fiat Garage which appears to be working to capacity with civilian load carrying vehicles under the direction of Transportation Sub-Commission and

3. At Headquarters approximately 8 American W.D. vehicles are held, no British W.D. vehicles and approximately 100 requisitioned civilian cars. Many of these latter are off the road and in the Public Safety Garage.
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6. An inspection was made of
 - (a) the Fiat Garage which appears to be working to capacity with civilian load carrying vehicles under the direction of Transportation Sub-Commission and
 - (b) The Lancia Garage which it is understood is being prepared as a warehouse for spare parts, tyres, vehicle equipment etc. ⁴⁵⁷⁰
7. Contact was made also with Lieut. White of the Super Garage with whom the question of the affiliation for maintenance of Region 4's requisitioned cars was discussed.

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8. Finally contact was made with Lt. Col. Bonham-Carter, Executive Officer, Region 4, and problems of maintenance discussed with him.

Recommendations.

1. That all Region 4 domestic transport be placed under the control of the Regional Transportation Officer with a competent transport Sgt. in charge who should be made responsible for setting up an M.T. Office to control, record, despatch and provide for maintenance of the Region's vehicles.
2. That the vehicles be accommodated in and affiliated to the Super Garage H.Q., A.C.C. for maintenance. In this connection both Lieut. McPhail, Maintenance Officer 2675 Regt. and Lieut. White, Officer i/c Requisitioned Civilian Cars state that the facilities of the Super Garage can be made available to them without putting any undue strain upon the present set-up. It is believed that sufficient accommodation is available on the floor occupied by M.M.I.A.

The above mentioned scheme provides only the facilities for the maintenance of Region 4 vehicles and in ^{my} opinion is in no way a departure from Establishment Memorandum No 6 which holds the Regional Commissioner responsible for the maintenance of the vehicles on his charge.

3. That the Forte Garage and the Public Safety Garage be surrendered by Region 4 and the Army personnel thus released be employed in the Region M.T. Office.
4. That the requisitioned civilian cars in the Public Safety Garage and Forte Garage which are V.O.R. for want of spares be inspected forthwith and
 - a) either repaired.
 - b) cannibalised for spare parts or
 - c) de-requisitioned and handed back.

despatch and provide for maintenance of the Region's vehicles.

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3. That the Forte Garage and the Public Safety Garage be surrendered by Region 4 and the Army personnel thus released be employed in the Region M.T. Office.

4. That the requisitioned civilian cars in the Public Safety Garage and Forte Garage which are V.O.R. for want of spares be inspected forthwith and

- a) either repaired.
- b) Canabalised for spare parts or
- c) de-requisitioned and handed back.

5. That the spares, tyres, vehicle equipment and tools at present in the Public Safety Garage be inspected and such as could be useful to units in the field be removed and passed to Transportation Sub-Commission for ⁴⁵⁷ distribution.

6. That the workshops at the Public Safety Garage be taken over by Transportation Sub-Commission and together with those at the Lancia Garage be used for the manufacture of spare parts. In this connection Lieut. Hoyle

...../3...

states that 50% of his British W.D. vehicles are dead-lined for want of spares which are unobtainable from Ordnance and which could be made in either of these two garages.

General. In ^{my} opinion there is insufficient trained army M.T. personnel in this Region to enable it to efficiently administer, control and despatch its vehicles and to supervise the two garages it retains for maintenance purposes at the moment and in view of the fact that

- a) Personnel can be only posted at the expense of the present H.Q. set-up.
- b) Facilities for the maintenance of its vehicles are available at the

H.Q. Super-Garage.

- and c) The Forte and Public Safety Garages could be put to a more useful purpose.

⁹ We are of the opinion that this Region's transportation problems can best be solved by the adoption of the above-mentioned recommendations.

D.C. Moyle

D.C. Moyle, Capt. R.A.
Maintenance Officer,
Transportation Sub-Commission.

23 August 1944.

purposes at the moment that the H.Q. set-up.

- a) Personnel can be only posted at the expense of the present H.Q. set-up.
- b) Facilities for the maintenance of its vehicles are available at the H.Q. Super-Garage.
- c) The Forte and Public Safety Garages could be put to a more useful purpose.

It is the opinion that this Region's transportation problems can best be solved by the adoption of the above-mentioned recommendations.

D. C. Moyle, Capt. R.A.

D.C. Moyle, Capt. R.A.
Maintenance Officer,
Transportation Sub-Commission.

23 August 1944

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RESTRICTED

Even Sec
7558

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

CELL/RVC/em

28 August 44

537

File
P116

M. V. H.

SUBJECT: AFHQ Plan for Operation and Maintenance of ACC Vehicles.

TO : Headquarters, Allied Control Commission, APO 394
(Attn. Vice-President, Economic Section)

1. We refer to your letter, Ref. ES/47 of 22 August 1944.

2. Our letter, Ref. G-5/537 of 3 August 1944 was intended to indicate that the AFHQ plan would be adopted in principle as amended by the suggestions and limitations contained in your letter of 13 June, signed by Col. J. Albright. As more tools and trained personnel are available to you it is expected that your system of maintenance will develop along the lines outlined in the AFHQ plan.

3. Your letter of 22 August, under reference, states that less than 10 per cent of the authorized LAD units have been forthcoming. It should be immediately made clear that it was never intended that complete units including personnel, should be provided. This was understood by Col. Albright who stated in his letter of 13 June that "ACC can make excellent use of the tools of an LAD unit." AFHQ/1(AE) Special Equipment List 94/1 of June 1944 authorized the issuance to ACC of sufficient tools to maintain 370 British vehicles and 105 motorcycles. It is necessary that requisitions be placed by ACC against British Depots for this equipment. Any critical items not forthcoming will be indented for by this Headquarters upon receipt of a specific request.

4. Signal any dissatisfaction you may have.

C. E. L. Harris

C.E.L. LEWIN-HARRIS
Colonel

Deputy Asst. Chief of Staff, G-5.

Incl:

Special Equipment List
S.E.L. No. 94/1 - June 1944.



RESTRICTED

29 Aug
43

SPECIAL EQUIPMENT LIST

RESERVED

SHEET 1 of 11.

for

ALLIED MILITARY GOVERNMENT AND ALLIED CONTROL COMMISSION OF ITALY

on

MAY/26/41

A.F.H.?
2(4E)S.E.L. No. 94/1.
JUNE, 1944

NOTE: The personal weapons, unit weapons and vehicle entitlement are shown in Part I of this list, other personal and common unit equipment will be in accordance with AEC 1098-1000.

The Special Equipment not covered by AEC 1098-1000 will be in accordance with Part II of this list.

Appendix I shows detail of appurtenances for Trailer fire pumps, large, medium, 350/500 G.P.M. and Light, 120/150 G.P.M. Coventry Climax, w/o chassis.

Appendix II shows detail of Plants, welding and cutting, oxy-acetylene, light weight outfit.

PART I.
VEHICLES.

DETAIL	QUANTITY
Motor-cycles, solo	105
Cars, 2-seater, 4 x 2 or 5-wht, 4 x 4	149
Cars, 4-seater, 4 x 2	33
Cars, 6-seater, 4 x 2	1
Trucks, 15-wht, 4 x 2	127
Trucks, 15-wht, 4 x 2, water	6
Lorries, 3-ton, 4 x 4	54

PERSONAL WEAPONS.

Pistols, .38-inch.....663

Rifles, .303-inch.....672

NOTE: The personal weapons, unit weapons and vehicle equipment are shown in Part I of this list, other personal and common unit equipment will be in accordance with AFM 1095-1000.

The Special Equipment not covered by AFM 1095-1000 will be in accordance with Part II of this list.

Appendix I shows detail of appliances for Trailer fire pumps, large, medium, 350/500 G.P.M. and Light, 120/150 G.P.M. Coventry Climax, w/o chassis.

Appendix II shows detail of Plants, welding and cutting, oxy-acetylene, light weight outfit.

PART I.
VEHICLES.

DETAIL	QUANTITY
Motor-cycles, solo	105
Cars, 2-seater, 4 x 2 or 5-cwt, 4 x 4	149
Cars, 4-seater, 4 x 2	33
Cars, 6-seater, 4 x 2	1
Trucks, 15-cwt, 4 x 2	127
Trucks, 15-cwt, 4 x 2, water	6
Lorries, 3-ton, 4 x 4	54

PERSONAL WEAPONS.

Pistols, .38-inch.....	663
Rifles, .303-inch.....	672
Carbines, machine, Thompson, .45-inch.....	673

UNIT WEAPONS.

MTL

6057

3.4.1. No. 94/1.

SHEET 2 of 11.

PART 11.

SPECIAL EQUIPMENT.

Catalogue Number	Designation	Quantity
<u>SECTION F.</u>		
BA 0401	Braces, ratchet-	+
0429	10-inch	+
0524	Post, 16-inch	+
	Brushes, plate, 4-row	
	Callipers-	
	4-inch-	
0585	Inside	prs
0586	Outside	prs
0595	8-inch-	
0596	Inside	prs
	Outside	prs
FB 0642	Chests, tool, filled-	+
BA 0792	(a)	16
	Electricians	
	Fitters	
	Chisels-	
	Cold-	
0828	1-inch	+
0830	3-inch	+
0860	1-inch	+
0864	1-inch	+
0929	Clamps, screw, engineers, 'C' type-	8
0930	2 1/2-inch	8
0951	4 1/2-inch	+
1071	Compasses, wing, 10-inch	+
1077	Dividers, spring, 5-inch	+
	Drifts, brass-	
	1-inch	
	1-inch	
	Drills, twist-	12
1227	No. 2 square taper shank-	
1228	3/8-inch	+
1229	7/16-inch	+
1231	1/2-inch	+
1232	9/16-inch	+
1233	5/8-inch	+
1234	1 1/16-inch	+
1236	3/4-inch	+
1238	7/8-inch	+
	1-inch	
	Parallel shank-	
1261	1/4-inch	8
1265	5/16-inch	+
1269	3/8-inch	+

0524	Brushes, plate, 4-row		+
0585	Callipers-		+
0586	4-inch-		+
0595	Inside	prs	+
0596	Outside	prs	+
0595	Inside	prs	+
0596	Outside	prs	+
0642	Chests, tool, filled-	(a)	+
0642	Electricians		16
0792	Fitters		+
	Chisels-		+
	Cold-		+
0828	1-inch		+
0830	2-inch		+
0860	1-inch		+
0864	1-inch		+
0929	Clamps, screw, engineers, 'O' type-		8
0930	2 1/2-inch		8
0951	4 1/2-inch		+
1071	Compasses, wing, 10-inch		+
1077	Dividers, spring, 6-inch		+
	Drifts, brass-		+
	1/2-inch		12
	1-inch		+
	Drills, twist-		+
	No. 2 square taper shank-		+
1227	5/8-inch		+
1228	7/16-inch		+
1229	1/2-inch		+
1231	9/16-inch		+
1232	5/8-inch		+
1233	1 1/16-inch		+
1234	3/4-inch		+
1236	7/8-inch		+
1238	1-inch		+
	Parallel shank-		+
1261	1/4-inch		8
1265	5/16-inch		+
1269	3/8-inch		+
	Wire-		12
	No. 12		8
1312	No. 30		+
1330	Hammers-		8
2134	Copper		+
2182	Sledge, straight pane, 7-lb		+
2220	Watchmakers, flat face		+
2406	Irons, soldering, straight, 14-lb		+
	Kits of Hand Tools-		+
1478	Driver Mechanics	(a)	+
1380	Welders, acetylene	(a)	2

NOTE:- (a) For detail see AEC 109B-1000 Appendix VI.

Catalogue Number	Description	Quantity
	SECTION E. (CONT'D)	
EB 1423	Lamps, brazing, 5-pint-	
EA 2473	Mk. 11	
3232	Mk. 1	
3513	Oilstones, medium	
4392	Pliers, sealing, 5-inch	
	Rules, steel, 2-ft, straight	
	Saws-	
4444	Hack, 12-inch	
	Blades-	
4447	Coarse	
4446	Medium	
4459	Hand, 26-inch	
4527	Scissors, 9 1/2-inch	
4538	Strippers-	
4540	Flat	
4612	Half-round, large	
4716	Screwdrivers, London, 18-inch	
4828	Shears, tinmans, snip, straight, 10-inch	
4889	Spanners-	
5016	Adjustable, 15-inch	
5400	Double ended, 7/8-inch and 1-inch	
5943	Squares, fitters	
6723	Straight edges, 2-ft	
7000	Tools, screwcutting-	
7645	B.A.-	
7646	Sets No. 2	
7647	P.S.F.-	
7674	Sets No. 1	
7675	P.S.V.-	
7676	Sets No. 1	
7677	Die Nuts-	
4354	B.S.F.-	
	1/4-inch	
	3/8-inch	
	1/2-inch	
	B.S.V.-	
	1/4-inch	
	3/8-inch	
	1/2-inch	
	5/8-inch	
	Trestles, mobile workshops	
	Vices-	

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S.E.L. No. 84/1.

FIG 11.

SPECIAL EQUIPMENT.

Catalogue Number	Designation	Quantity
<u>SECTION G.1. (CONT'D)</u>		
GA 0171	Bolts, hexagon head- 3/8-inch x 1 1/2-inch	96
0175	3/8-inch x 3 1/2-inch	96
0192	1/2-inch x 3-inch	96
0206	5/8-inch x 4-inch	48
0620	Nails, wire- 1-inch	48
0625	2 1/2-inch	48
0700	Nuts, hexagon- 1 1/4-inch	576
0701	3/8-inch	576
0703	5/8-inch	576
0802	Plus, keep, split- 1 1/8-inch x 1 1/2-inch	576
0823	3/32-inch x 2-inch	576
0844	1/8-inch x 2-inch	576
0855	5/32-inch x 2-inch	576
0867	3/16-inch x 2 1/4-inch	2
1069	Rivets, steel, bosshead- 1 1/4-inch x 1-inch	8
1070	1/4-inch x 1 1/4-inch	576
1327	Screws, iron, flathead- 1-inch gauge, No. 10	576
1347	2-inch gauge, No. 14	444
1590	Seals, lead, 3/8-inch	8
1736	Washers, bolt or rivet- 1/4-inch	4
1738	3/8-inch	4
1740	1/2-inch	4
<u>SECTION G.2.</u>		
OD 0384	Solder- Brass	2
0382	Silver	16
0383	Tinmans, soft	28
HA 0002	Acetylene, dissolved	200
0029	Borax crystals	4
0033	Chalk, french	4

0175	3/8-inch x 3 1/2-inch		96
0192	1/2-inch x 3-inch		96
0206	5/8-inch x 4-inch		96
0620	Nails, wire-	lbs	48
0625	1-inch	lbs	48
0700	2 1/2-inch		48
0701	Nuts, hexagon-		576
0703	1/4-inch		576
0802	3/8-inch		576
0823	5/8-inch		576
0844	Pins, keep, split-		2
0855	1/16-inch x 1 1/2-inch		8
0857	3/32-inch x 2-inch		
	1/8-inch x 2-inch		
	5/32-inch x 2-inch		
	3/16-inch x 2 1/4-inch		
1069	Rivets, steel, bosshead-	lbs	
1070	1/4-inch x 1-inch	lbs	
	1/4-inch x 1 1/4-inch		
1327	Screws, iron, flathead-		
1347	1-inch gauge, No. 10		
1530	2-inch gauge, No. 14		
	Seals, lead, 3/8-inch		
1736	Washers, bolt or rivet-	lbs	
1738	1/4-inch	lbs	
1740	3/8-inch	lbs	
	1/2-inch		
<u>SECTION G.2.</u>			
0304	Solder-		
0382	Brass	lbs	
0383	Silver	ozs. troy	
	Timmons, soft	lbs	
<u>SECTION H.1.</u>			
0002	Acetylene, dissolved	cu. ft.	
0029	Borax crystals	lbs	
0033	Chalk, french	lbs	
	Cloth, emery-		
0042	No. 0	sheets	
0043	No. F	sheets	
0044	No. 1	sheets	
0045	No. 1 1/2	sheets	
0046	No. 2	sheets	
0313	Paper, glass, No. 2	sheets	
0167	Oxygen, gas	cu. ft.	
0322	Paste, flux, soldering	lbs	
0337	Powder, emery, flour	lbs	

4506

SHEET 5 of 11.

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PAGE 11.

SPECIAL EQUIPMENT.

Catalogue Number	Designation	Quantity
<u>SECTION H.2.</u>		
HB 0121	Asbestos, yarn, 6-thread	lbs 4
0551	Cotton waste, coloured	cwts 1
0750	Linos, natural, whitecord	lbs 4
0550	Rubber, vulcanised, insulation sheet, canvas 1/16-inch	lbs 15
1098	Twine-	
4106	Packing, medium, sisal	balls 8
	Soenius, medium, natural	skins 4
<u>SECTION K.2.</u>		
LG 9501	Trailer, fire pumps, large, medium, 350/500 GPM (a)	15
<u>N.I.V.</u>		
9999	Trailer, fire pumps, light, 120/150 GPM, Coventry Climax, w/o chassis (a)	15
<u>SECTION N.2.</u>		
WE 0967	Tape, insulating, 1/2-inch	lbs 3
0973	Rubber, pure	tins 4
4043	Wire, electric, P. 13, Mk. 1	yds 40
<u>N.I.V.</u>		
0998	Testers, battery discharge	4
<u>SECTION V.3.</u>		
0457	Plants, welding and cutting, H.I. 0/1, light weight outfit- (b)	2
<u>SECTION Z.2.</u>		
2H4263	Hydrometers, Savy. coll, portable, Mk. 1	4
<u>SECTION IV/5/MU.</u>		
4215	Carborundum, paste, fine, 2-oz tins	tins 24
4274	Extinguishers, fire, tetrachloride type	28
3237	Flux- Aluminium	8 tins 15

0001	Section waste, coloured			
0750	Linos, natural, whifcord			
0860	Rubber, vulcanised, insertion sheet, canvas			
	1/4-inch			
1098	Twine-			
1105	Jacking, medium, sisal			
	Seaming, medium, natural			
	<u>SECTION K.G.</u>			
IG 9501	Trailer, fire pumps, large, medium, 350/500 GPM (a)			
	<u>N.I.V.</u>			
9999	Trailer, fire pumps, light, 120/150 GPM, Coventry			
	Clinax, w/o chassis (a)			
	<u>SECTION M.2.</u>			
WB 0967	Tape, insulating, 1/2-inch			
0975	Rubber, pure			
1043	Wire, electric, P. 15, M. 1			
	<u>N.I.V.</u>			
0998	Testers, battery discharge			
	<u>SECTION M.3.</u>			
0457	Flante, welding and cutting, H.L. O/H, light weight outfit- (b)			
	<u>SECTION Z.2.</u>			
ZB4263	Hydrometers, Secy. cell, portable, M. 1			
	<u>SECTION LVS/MIL.</u>			
4215	Carborandum, paste, fine, 2-oz tins			
4274	Extinguishers, fire, tetrachloride type			
	Flux-			
3237	Aluminium			
3196	Bronzo, sif			
3197	Cast, iron			
	Gauges, pressure, tyre-			
45293	10 - 50-lbs			
24232	20 - 120-lbs			
12242	Pumps, tyre, foot, large, lorry type			
45297	Pumps, tyre, connections, adaptor, Dunlop to Schrader			
44429	Solvent, rust			
19708	Washers, copper and asbestos, assorted, boxes			
	of 36			
	boxes			

NOTES:-

- (a) For detail see Appendix 1 to this S.E.L.
- (b) For detail see Appendix 11 to this S.E.L.

PART II.

SPECIAL EQUIPMENT.

Catalogue Number	Designation	Quantity
AU/LX 280	<u>SECTION IN3/AU/LX.</u> Screws, bleeder, with tube	+
TP/TYR2/25	<u>SECTION IN5/REL/TL.</u> Injectors, lubricating, Tecalemit, gun, complete Type T. 26.	+
No. 8	Nipples, lubricating, Tecalemit, System-	16
No. 28	1/4-inch, gas	2+
	1/8-inch, gas	
43955	<u>SECTION IN6/AT2.</u> Chests, tool, H.T. filled, Ritters (a)	8 +
520	Lifters, valve, car size	+
12238	Pullers, wheel, 2-arm-	+
18902	Medium	
	Large	
10063	Spanners-	
10361	Double hexagon ring, American National Ring-	
10084	5/16-inch x 1/4-inch, bolt size	+
10085	5/16-inch x 3/8-inch, bolt size	+
10087	7/16-inch x 1/2-inch, bolt size	+
10366	9/16-inch x 5/8-inch, bolt size	+
3249	11/16-inch x 3/4-inch, bolt size	+
	7/8-inch x 1-inch, bolt size	
	Socket, sets, American National Ring, (S.A.B.)	
	1/4-inch to 9/16-inch, bolt size	
	sets	
29156	Special, octagonal, 3-inch across flats	+
	Tools, screwcutting-	
	Die Nuts-	
34577	A.S.T. Thread-	
	1-inch x 20 T.P. 2	
13540	B.S.T. Thread-	
13542	5/16-inch	+
13445	7/16-inch	+
	9/16-inch	+
13565	Wainwright thread-	
13568	5/16-inch	+
26580	7/16-inch	+
32355	Tramels, testing alignment of wheels	+
30045	Tyre spread, with stand	+
	Vulcanizers, Stambols, No. 2	+

[illegible]

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S.L.L. No. 24/1.

PAGE 11.

SPECIAL EQUIPMENT.

Catalogue Number	Designation	Quantity
	<u>SECTION IV6/IV4.</u>	
46657	Cable, electric-	24
27727	Armoured, close spiral, aluminium, single lead-	48
7936	One 12/.012-inch, conductor	48
	One 37/.036-inch, conductor	
	One 51/.036-inch, conductor	
	Metal braided, twin lead-	96
27194	Two 23/.0076-inch, conductor	48
16924	Two 110/.0076-inch, conductor	
23285	Plugs, sparking, metric thread, screwed-	
	18-mm, standard body, barrel standard reach	
	Terminals-	
	Cable ends, brass serrated rings, with washers-	
1860	3/16-inch, stud hole	24
1974	1/4-inch x 5/8-inch x 3/16-inch	72
	<u>H.I.V.</u>	
1856	Terminals, cable ends, brass sleeved, lug pattern,	72
	3/8-inch stud hole, 10-mm dia.	
	<u>SECTION IV6/IV5.</u>	
	Bolts-	
	American national, tensile steel, hexagon head-	
49187	1/4 x 1 1/2-inch	24
46504	5/16 x 1 1/2-inch	24
41757	3/8 x 2 1/2-inch	24
46605	7/16 x 2-inch	24
41757	7/16 x 2 1/2-inch	24
	E.S.T. R.T.S. hexagon head-	
164	1/4-inch x 2-inch	120
	Whitworth, motor standard, R.T.S. hexagon head-	
29005	1/4-inch x 2-inch	120
533	5/16-inch x 2-inch	120
441	3/8-inch x 1 1/2-inch	120
442	7/16-inch x 2-inch	120
991	1/2-inch x 1 1/2-inch	120
	Nuts-	
	American National fine, (S&E) bright steel hexagon-	
59195	1/4-inch	24
16735	5/16-inch	24
16731	3/8-inch	24

46657	One 14/.012-inch, conductor	ft	24
27727	One 37/.036-inch, conductor	ft	48
7936	One 61/.036-inch, conductor	ft	48
	Metal braided, twin lead-		
27194	Two 23/.0076-inch, conductor	ft	96
15924	Two 110/.0076-inch, conductor	ft	48
23285	Plugs, sparking, metric thread, screwed- 12-mm, standard body, barrel standard reach		
1860	Terminals-		
1974	Cable ends, brass serrated rings, with washers- 3/16-inch, stud hole 1/4-inch x 5/8-inch x 3/16-inch		24 72
1858	<u>M.I.V.</u> Terminals, cable ends, brass sleeved, lug pattern, 3/8-inch stud hole, 10-mm dia.		72
	<u>SECTION LV5/PD5.</u>		
49187	Bolts-		
45604	American national, tensile steel, hexagon head-		
41757	1/4 x 1 1/2-inch		24
46605	5/16 x 1 1/2-inch		24
41757	3/8 x 2 1/2-inch		24
	7/16 x 2-inch		24
	7/16 x 2 1/2-inch		24
164	E.S.T. E.T.3. hexagon head-		120
	1/4-inch x 2-inch		
29005	Whitworth, motor standard, E.T.S. hexagon head-		120
333	1/4-inch x 2-inch		120
441	5/16-inch x 2-inch		120
442	3/8-inch x 1 1/2-inch		120
991	7/16-inch x 2-inch		120
	1/2-inch x 1 1/2-inch		120
	Nuts-		
39195	American National fine, (SAE) bright steel hexagon-		
16735	1/4-inch		24
16731	5/16-inch		24
18322	3/8-inch		24
16735	7/16-inch		24
	1/2-inch		24
34224	Slotted, bolt size,		
15766	1/4-inch		24
41252	5/16-inch		24
11547	3/8-inch		24
18341	7/16-inch		24
	1/2-inch		24
21631	E.S.E. bright steel, hexagon-		
19675	1/4-inch		96
19677	5/16-inch		96
	3/8-inch		96

1560

PAGE 11.SPECIAL EQUIPMENT.

Catalogue Number	Designation	Quantity
	<u>SECTION LV5/MT5 (CONT'D)</u>	
15817	Nuts- Whitworth motor standard, bright steel, hexagon- 1/4-inch Slotted- 1/2-inch	96
15776	Washers, spring, single coil, square section- 1/8-inch	96
49945	1/4-inch	96
49947	3/8-inch	120
49949	1/2-inch	120
49951		120
	<u>SECTION LV5/MT6.</u>	
3145	Material, tyre repair-	
5240	Fuel tablets	32
	Seatings, valve, H.F. plastina type	16
	Solution-	
44422	Rubber, 2-oz screwcap, tins	8
17014	Vulcanising, red	6
40823	Stopping, tyre	8
	<u>SECTION LV5/MT10.</u>	
7045	Copper, tubing, seamless-	
7052	5/16-inch, O.D. x 20 S.T.C.	43
	5/8-inch, O.D. x 20 S.T.C.	43
	<u>SECTION LV5/MT11.</u>	
17378	Ropes, towing, medium, Mk. 2/L	8
	<u>SECTION LV5/MT14.</u>	
22284	Valves, tyre, Schrader, assorted components- Car size	4
27/9870	Clutch assembling tool	4
	<u>SECTION G.2.</u>	
ED 7217	Welding metals, rods, welding-	4
7234	Aluminium, pure, 1/4-inch dia.	40
7259	Bronze, SI, 5/16-inch dia.	40
	Steel, mild, 1/8-inch dia.	40

456240

15817	Nuts- Wainworth motor standard, bright steel, hexagon- 1/4-inch Slotted- 1/2-inch	96
15776	Washers, spring, single coil, square section- 1/8-inch 1/4-inch 3/8-inch 1/2-inch	96 120 120 120
49945	<u>SECTION LV6/LV6.</u>	
49947	Material, tyre repair-	32
49949	Fuel tablets	16
49951	Seatings, valve, H.P. plastic type	8
	Solution-	5
	Rubber, 2-oz screwcap, tins	8
	Vulcanising, red	
	Stepping, tyre	
	<u>SECTION LV6/LV6.</u>	
7045	Copper, tubing, seamless-	48
7052	5/16-inch, O.D. x 20 S.W.G.	48
	5/8-inch, O.D. x 20 S.W.G.	
	<u>SECTION LV6/LV6.</u>	
17378	Ropes, twines, medium, H. 2/L	8
	<u>SECTION LV6/LV6.</u>	
22204	Valves, tyre, Schrader, assorted components- Car size	4
	<u>SECTION LV7/LV7.</u>	
27/9870	Clutch assembling tool	4
	<u>SECTION G.2.</u>	
GD 7217	Welding metals, rods, welding-	4
7234	Aluminium, pure, 1/4-inch dia.	48
7259	Bronze, SI, 3/16-inch dia.	
	Steel, mild, 1/8-inch dia.	48
		48
		48

APPENDIX I.

Appurtenances for Trailer fire pumps, large, medium, 350/500 G.P.M. and Light 120/150 G.P.M. Coventry Climax, w/o chassis.
 Column 3 = No. per Trailer fire pump, large medium 350/500 G.P.M.
 Column 4 = No. per Trailer fire pump, light, 120/150 G.P.M. Coventry Climax, w/o chassis.

Catalogue Number (1)	Designation (2)	(3)	(4)
EA 0998	Crowbars, 4-ft 4-in	1	1
JA 0064	Axes-		
0065	Felling	1	1
	Hardies	1	1
0072	Pick, 4 $\frac{1}{2}$ -lbs-		
0073	Heads	1	1
1340	Holvs	1	1
	Spades, Mk. III	1	1
KG 1960	Engines, fire-		
1961	Axes	5	5
1966	Cases	3	3
1967	Bars, raising	1	1
	Binders, hose	2	2
7526	Breeching, pieces, instantaneous-		
7553	Collecting	1	1
7596	Dividing	1	1
	Pipes, hose, with instantaneous couplings		
	2 $\frac{1}{2}$ -in for 2 $\frac{1}{2}$ -in waterway couplings, 75-ft	14	7
	Trailer fire pumps-		
	Appurtenances-		
9524	Hooks, ceiling	1	1
9526	Outfits, first aid, medical	1	1
9513	Pipes, branch, nozzle, 1 $\frac{1}{2}$ -in	2	2
9492	Saws	1	1
9493	Torches, electric	1	1
9504	Ropes, drag, light	1	1
	Light, 120/150 G.P.M.-	2	2
	Appurtenances-		
9511	Heads, collecting, two-way		
9517	Pipes, hose, suction, 3-in, 10-ft lengths	1	1
	Strainers, suction, 3-in		
9515	Baskets	2	2
9509	Wrenches, suction, 3-in	1	1
9519	Large, medium, 350/500 G.P.M.-	1	1
	Appurtenances-		
9494	Heads, collecting, three-way	1	1

SECTION J.I.					
MI 0998	Crowbars, 4-ft 1-in	1	1		
JA 0064 0065 0072 0073 1340	Axes-				
	Felling	11	11		
	Hardies	11	11		
	Pick, 4 1/2-lbs-	111	111		
	Heads	11	11		
KG 1960 1961 1966 1967	Helvies	111	111		
	Spades, Mk. III	111	111		
	Engines, fire-				
	Axes	111	111		
	Cases	111	111		
7526 7553 7696	Bars, raising	111	111		
	Binders, hose	111	111		
	Breaching, pieces, instantaneous-	111	111		
	Collecting	111	111		
	Dividing	111	111		
9524 9525 9513 9492 9493 9504	Pipes, hose, with instantaneous couplings	111	111		
	2-in for 2 1/2-in waterway couplings, 75-ft	111	111		
	Trailer fire pumps-	111	111		
	Appurtenances-	111	111		
	Hoses, coiling	111	111		
9511 9517	Outlets, first aid, medical	111	111		
	Pipes, branch, nozzle, 8-in	111	111		
	Saws	111	111		
	Torches, electric	111	111		
	Ropes, draw, light	111	111		
9515 9509 9519	Light, 120/150 G.P.M.-	111	111		
	Appurtenances-	111	111		
	Heads, collecting, two-way	111	111		
	Pipes, hose, suction, 3-in, 10-ft lengths	111	111		
	Strainers, suction, 3-in	111	111		
7614 7615 9518	Baskets	111	111		
	Wrenches, suction, 3-in	111	111		
	Large, medium, 350/500 G.P.M.-	111	111		
	Appurtenances-	111	111		
	Heads, collecting, three-way	111	111		
9494	Pipes-	111	111		
	Branch-	111	111		
	Nozzles-	111	111		
	4-in	111	111		
	1-in	111	111		
9495 9515 9510 9520	Hose, suction, 4-in, 10-ft lengths	111	111		
	Ropes, 50-ft lengths	111	111		
	Strainers, suction, 4-in	111	111		
	Baskets	111	111		
	Wrenches	111	111		

14504

S.S.L. No. 241.

SHEET 10 of 11.

APPENDIX I. (CONT'D).

Catalogue Number (1)	Designation (2)	(3)	(4)
	SECTION K.C. (CONT'D)		
	N.I.V.		
5509	Extinguishers, fire, tetrachloride, 1-gal	1	1
	Pipes, branch-		
7581	Nozzles, spray, (diffuser)	2	2
9485	Plugs, sparking	1	1
	Trailer fire pump-		
	Appurtenances-		
	Torches, electric-		
9486	Batteries	1	1

Catalogue Number (1)	Designation (2)	(3)	(4)
	<u>SECTION I.C. (CONT'D)</u>		
	<u>N.I.V.</u>		
6509	Extinguishers, fire, tetrachloride, 1-gal Pipes, branch-	1	1
7681	Nozzles, spray, (diffuser)	2	2
9485	Plugs, sparking Trailer fire pump- Appurtenances- Torches, electric- Batteries	1	1

4560

S.E.L. No. 74/1

SHEET 11 of 11.

APPENDIX II.

DETAIL OF PLANTS, WELDING AND CUTTING, OXY-ACETYLENE, LIGHT WEIGHT OUTFIT.

NOTE:- Items in this Appendix are not included in the body of the list, the Plant being held on charge complete.

Catalogue Number	Designation	Quantity
4664	Plants, welding and cutting, oxy-acetylene, light weight outfit-	1
4665	Blowpipes- Cutting, with spare guide	1
4666	Nozzles- Inner- 1/32-inch Outer- 1/16-inch	1
4660	Welding, with long and short shanks Nozzles- 2-inch (set of 9) 4-inch (set of 9)	1
4661	Spanners	1
4662	Boxes, wood	1
4663	Keys (set of 3) (a)	1
4670	Regulators-	1
4668	Acetylene, with one pressure gauge L.P. Oxygen, with 2 pressure gauges (1 graduated in atmospheres and 1 graduated in lbs per sq. in.)	1
4671	Tubing, rubber-	1
4673	5/16-inch x 15-ft long, with connections-	1
4675	Black Red Clips	4
27570	Goggles	1
4667	Plants, welding and cutting, oxy-acetylene, light weight outfit-	1
	Blowpipes, cutting- Nozzle nuts Regulators- Acetylene	1

SECTION DV6/ATL.

SPARE PARTS. SECTION F.

Designation	Quantity
Plants, welding and cutting, oxy-acetylene, light weight outfit-	1
Blowpipes-	1
Cutting, with spare guide	1
Nozzles-	1
Inner-	1
1/32-inch	1
1/16-inch	1
Outer-	1
1/32-inch	1
1/16-inch	1
Welding, with long and short shanks	1
Nozzles-	1
2-inch (set of 9)	1
4-inch (set of 9)	1
Spanners	1
Boxes, wood	1
Keys (set of 3) (a)	1
Regulators-	1
Acetylene, with one pressure gauge	1
L.P. Oxygen, with 2 pressure gauges (1 graduated in atmospheres and 1 graduated in lbs per sq. in.)	1
Tubing, rubber-	1
5/16-inch x 15-ft long, with connections-	1
Black	1
Red	1
Clips	4
Goggles	1
SECTION LV6/ATL.	
Plants, welding and cutting, oxy-acetylene, light weight outfit-	1
Blowpipes, cutting-	1
Nozzle nuts	1
Regulators-	1
Acetylene	1
Gauges, pressure	1
L.P. Oxygen-	1
Gauges, pressure-	1
Atmospheres	1
lbs per sq. in.	1
Tubing, rubber-	1
Black-	1
Connections	1
Red-	1
Connections	1

NOTE:- The key cylinder in this set is double ended for 9/32-in and 11/32-in square spindle. Sets issued originally contained 9/32-in key: to complete the set to present scale the D.E. 9/32-in and 11/32-in is added.

*File
7/16
Chap*

HEADQUARTERS
ALLIED CONTROL COMMISSION
OFFICE OF G-4
APO 394

DCM/HGRC/hhj.

G4/101.

28 August 1944.

SUBJECT : Vehicle Maintenance - Tyres - Conservation, Maintenance and Pressures.

TO : Regional Commissioner, Region 1.
" " Southern Region.
" " Region 4.
" " 5.
" " 6.
" " 8.
" " 9.
" " "2".
S.C.A.O., A.M.G., 5th Army.
" " 8th Army.
H.Q. Commandant.
Director, Internees and Displaced Persons Sub-Commission.
" Transportation Sub-Commission.
" Italian Refugee Branch.

From the reports of recent U.M.I. inspections it is evident that G.R.O. 546/44, "Tyres - Conservation, Maintenance and Pressures", is not in all cases being complied with.

A copy of this order, together with Appendix "A" giving the new tyre pressures, is attached.

S.W. Miller
S.W. MILLER.
Lieut-Colonel.
G-4.

4558

G.R.O. 546/44.

TYRES - CONSERVATION, MAINTENANCE AND PRESSURES.

1. **ECONOMY.**
In view of the grave shortage of rubber which exists throughout the world, it is essential that all possible steps be taken to ensure that the maximum life is obtained from every tyre. The following instructions will be rigidly observed.
2. **SPEEDS AND DRIVING.**
Speeds in accordance with Standing Orders will be strictly enforced. Unnecessary braking, fast cornering, rapid acceleration, kerbing and careless driving damage tyres and accelerate tyre wear.
3. **OVERLOADING.**
Every possible effort will be made to avoid overloading vehicles. This is of particular importance when synthetic rubber tyres are in use.
4. **TYRE ISSUES.**
(a) Units will remove tyres for exchange when the tread design on the tread of the tyre has worn to the canvas.
(b) Runflat covers handed in for exchange will in all cases be accompanied by their tube and "beadspacers". Tyres and tubes will only be issued in replacement on a "one for one" basis.
5. **TYRE PRESSURES.**
(a) Pressures will be checked with pressure gauges when tyres are cold. Working vehicles will be checked daily and stationary vehicles weekly. Tyres will be maintained at the pressure shown in Appendix "A", which will be adopted immediately. All previous instructions whether in manufacturers' handbooks or from any other source are now inoperative in this theatre. Frequent checks will be made by supervisory personnel using different gauges. Master gauges are available at R.E.M.E. Base Workshops for checking gauges.
(c) Spare wheels will be inflated to the rear wheel pressure. At no time will pressures be allowed to fall more than 10 per cent below pressures shown in Appendix "A". The pressures listed allow for the normal increase due to tyre heat. Pressures will not be reduced on journeys.
(d) Tyre pressures will be painted on the wings or corresponding point above each wheel and entered in AB 412 and AB 406 or AB 413. The correct entry will be checked by O i/c Transport, who will examine the type of tyre on each vehicle to confirm that the pressure is appropriate.
6. **VALVE CAPS.**
Valve caps will be fitted and maintained in good condition. They will not be painted as they are manufactured from rust proof material and the presence of paint impairs their efficiency.
Future replacement of valve caps for "RM" and "Track Type" Inner Tubes fitted to wheeled "A" vehicles, trucks, lorries and trailers will be No. 7006 Dubleche-Part No. LV6/MT4/1239. These valve caps will be tightened sufficiently with pliers to prevent loss and will not be removed for pressure testing, inflation, or deflation. To inflate or test the pressure, the air check or gauge head should be pressed firmly over the top of the valve cap. To deflate exert slight pressure on the spring loader plunger in the centre of the valve cap.
Inner tubes fitted with "Car or motorcycle type" inner tubes

3. OVERLOADING.

Every possible effort will be made to avoid overloading vehicles. This is of particular importance when synthetic rubber tyres are in use.

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(d) Tyre pressures will be painted on the wings or corresponding point above each wheel and entered in AB 412 and AB 406 or AB 413. The correct entry will be checked by O i/c Transport, who will examine the type of tyre on each vehicle to confirm that the pressure is appropriate.

6. VALVE CAPS.

Valve caps will be fitted and maintained in good condition. They will not be painted as they are manufactured from rust proof material and the presence of paint impairs their efficiency.

Future replacement of valve caps for "RT" and "Track Type" Inner Tubes fitted to wheeled "A" vehicles, trucks, lorries and trailers will be No. 7006 Dublache, Part No. LV6/MTM4/1239. These valve caps will be tightened sufficiently with pliers to prevent loss and will not be removed for pressure testing, inflation, or deflation. To inflate or test the pressure, the air check or gauge head should be pressed firmly over the top of the valve cap. To deflate exert slight pressure on the spring loader plunger in the centre of the valve cap.

Cars, trailers and motor cycles fitted with "Car or motorcycle type" inner tubes will be fitted with valve cap No. 880 Part No. LV6/MTM4/23686 when the replacement of the original caps is required. As it is necessary to remove this type of valve for pressure testing, inflation and deflation, they will be hand tightened only.

New type caps will be demanded only when the original caps have become damaged or lost.

7. MECHANICAL DEFECTS.

Drivers will report any signs of irregular wear to the platoon or unit transport officer, who will take immediate steps to correct any mechanical faults. MEs and Workshop Officers will check the alignment of front wheels at their periodical inspections, and whenever vehicles pass through workshops for 3rd Echelon repairs.

8. CUTS AND FLINTS.

- (a) Removal of flints, nails, etc, embedded in tyres, and stones between twins, will be carried out daily.
- (b) Tyres which have been cut, and in which the cord is exposed, will be replaced and sent to unit or second line workshops for repair.

9. TYRE FITTING.

- (a) Care must be taken that the fabric round the wire edge is not damaged by excessive force during fitting or removal. Flaps will be used in giant covers, and must be centralized carefully.
- (b) Fitting will be supervised by driver-mechanics or section NCOs and checked by platoon or unit transport officer.
- (c) Whenever tyres are removed rims will be cleaned and painted with rust preservative, Part No. 46826 VAOS Section LV6-MFM.
- (d) Whenever possible tyres of equal wear will be fitted to driving axles. This is necessary to avoid damage to the differential. New and old tyres will not be fitted together on twin wheel assemblies since this results in the new tyre being abnormally loaded.

10. SUN PROTECTION.

Tyres on stationary vehicles will be protected from the direct rays of the sun. Spares wheels in exposed positions will be covered at all times. Covers are not an issue; units must improvise.

11. STATIONARY VEHICLES.

Unit vehicles whose normal function is performed when stationary, e.g. Machinery and Searchlight lorries, will be raised on blocks to lift the tyres clear of the ground.

12. SPARE WHEEL ON VEHICLES IN USE.

To prevent deterioration, spare wheels will be taken into use as running wheels at regular intervals. No spare wheel will be out of use for more than three months.

13. GREASE AND OIL.

Tyres will be kept free from grease, oil and petrol. In order to ensure that only dry clean air is pumped into the tyres it is essential that all vehicle mechanical tyre pumps be run for a few minutes before connecting the air line to the tyre valves. This may be tested by holding a piece of white paper in front of the outlet to show when oil or moisture ceases to be expelled.

14. TYRE NUMBERS.

Serial No. of each tyre and the date of fitting will be entered in Vehicles AB 412 or AB 413 under "Record of Repairs and Replacements".

15. SYNTHETIC TYRES.

Tyres containing varying proportions of synthetic rubber will be encountered in the near future. Information regarding the means of identifying these tyres will be issued later.

16. 1050 x 16 TYRES.

- (a) Both standard and cross-country tread 10.50 x 16 tyres are available and of these the standard tread may be the weaker as it can have an 8, 10 or 12-ply carcass. All vehicles using this size of tyre will, therefore, be fitted as under:-
Front wheels: Standard tread 8, 10 or 12-ply.

- preservative, Part No. 46020 VMS Section 100-111.
- (d) Whenever possible tyres of equal wear will be fitted to driving axles. This is necessary to avoid damage to the differential. New and old tyres will not be fitted together on twin wheel assemblies since this results in the new tyre being abnormally loaded.
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16. **1050 x 16 TYRES.**
(a) Both standard and cross-country tread 10.50 x 16 tyres are available and of these the standard tread may be the weaker as it can have an 8, 10 or 12-ply carcass. All vehicles using this size of tyre will, therefore, be fitted as under:-
Front wheels : Standard tread 8, 10 or 12-ply.
Rear wheels : Cross-country tread or Standard tread 12-ply.
(b) 10.50 x 16 tyres which are not clearly marked "12-ply" will be considered to be of less than 12-ply construction.
(c) Re-treaded and re-capped 10.50 x 16 tyres will not be fitted to rear wheels of load carriers.
17. **PREVIOUS ORDERS AND INSTRUCTIONS.**
GRC No. 338 of 1943 which was republished in GRC No. 367 of 1944 is hereby cancelled.
(Applicable to British, Dominion, Colonial and Polish troops ENAF and CMT.)

APPENDIX "A" TO GPO 546.

TYRE PRESSURE.

Type of Vehicle	Tyre Size	Pressure in lbs per sq inch Front	Pressure in lbs per sq inch Rear
MOTOR CYCLES.	All sizes	18	20
CARS & UTILITIES :	All sizes	20	22
2-seaters.....	6.00 x 16	25	30
4/5-seaters.....	7.00 x 16	24	26
Light utilities and vans.....	9.00 x 13	20	22
Heavy utility and station wagons.....	9.00 x 13	20	26
	9.25 x 16 RF	15	24
6-seaters.....	7.00/7.50 x 16	26	30
Cars 5-cwt 4 x 4 (Jeep).....	6.00 x 16	22	22
	5.50 x 16	22	22
TRUCKS 4-WHEELED :	9.00 x 13	20	25
8-cwt forward control.....	9.25 x 16	20	20
8-cwt.....	9.00 x 16	20	28
15-cwt.....	9.00 x 13	22	28
	9.00 x 16	22	42
	10.50 x 16	22	36
LORRIES 4-WHEELED :	7.00 x 17	45	45
1-ton.....	7.50 x 17	45	45
	7.00 x 15	45	45
	32 x 6	60	60 twins
	32 x 6	64	64 twins
	34 x 7	50	75
	10.50 x 16	25	35
	10.50 x 16 RF	20	25
	7.50 x 20	45	45
39-cwt 4-wheeled drive.....	7.50 x 20	40	50 twins
30/50-cwt.....	10.50 x 16	25	45
2-ton.....	32 x 6	60	75 twins
3-ton bonnet and semi-forward control	34 x 7	85	85
(rear axle drive only).....	7.00 x 20	50	50 twins
	7.50 x 20	45	45
	8.25 x 20	50	50
	{ 9.00 x 18	70	70 twins
	{ 9.00 x 20	50	50
	{ 9.75 x 18	70	70
	{ 10.00 x 18	70	70
	{ 10.00 x 20	70	70
	{ 10.50 x 16	25	45/56
	{ 10.50 x 16 RF	20	70
	{ 10.50 x 18	25	30
Forward control, including FWD.....	{ 10.50 x 16	40	60

20

Type of Vehicle	Tyre Size	Pressure in lbs per sq inch	
		Front	Rear
LORRIES 6-WHEELED :			
30-cwt.....	7.50 x 20	45	45
3-ton.....	9.00 x 20	50	50
	9.00 x 22	50	50
10-ton.....	10.50 x 20	50	50
	36 x 8	80	70 twins
	38 x 9	80	70 twins
	40 x 8	80	70 twins
	10.50 x 24	70	-
	13.50 x 20	65	80
	10.50 x 24	80	70
18-ton.....			
AMBULANCES :			
Light.....	6.00 x 16	20	25
	7.00 x 16	25	30
	7.50 x 16	25	30
	9.00 x 13	20	22
	9.25 x 16 RF	12	20
	9.25 x 16 OC	24	28
	6.00 x 20	45	45 twins
	7.00 x 20	50	50 twins
	7.50 x 16	35	35
	10.50 x 16	25	30
	7.50 x 20	35	35
6-wheeled.....			
TRACTORS :			
Heavy Breakdown 6 x 4	13.50 x 20	40	40
Heavy Breakdown 4 x 4	-	40	50
Heavy 6-wheeled.....	13.50 x 20 RF	20	22
Heavy 4-wheeled.....	13.50 x 20 RF	20	40
Bofors 4 x 4	10.50 x 20 RF	26	36
Bofors 6 x 4	9.00 x 16 RF	20	20
TA TWD all types.....	10.50 x 16 RF	20	38
	10.50 x 20 RF	20	38
TANK TRANSPORTERS :			
Albion 6 x 4.....	36 x 8	90	90 twins
White Ruxtell	11.25 x 24	80	80
	12.00 x 24	80	80
Trailer 12-wheeled 30-ton.....	10.50 x 15	100	100
Diamond "T" Tractor.....	12.00 x 20	80	80
Rogers Trailer 40-ton.....	8.25 x 15	100	100
Scammell 30-ton.....	13.50 x 20	42	-
	13.50 x 20 RF	20	-
	15.00 x 20	74	(2nd & 3rd axles)
	13.50 x 20	100	(4th & 5th axles)
NOTE : RF tyres must not be fitted to axles 4 and 5 of Scammell 30-ton Transporter.			
MISCELLANEOUS :			
Bedford-Scammell 6-ton.....	32 x 6	56	70
6-wheeled Trailer.....	10.50 x 16	30	60
Bedford OVC Water Tanker 350-gall.....	10.50 x 16	25	40
Water Tanker 350-gall.....	32 x 6 front	60	60

AMBULANCES :

Light.....	6.00 x 16	20	25	30	22	20	28	45	50	35	35
	7.00 x 16	25	25	30	22	20	28	45	50	35	35
	7.50 x 16	25	25	30	22	20	28	45	50	35	35
	9.00 x 13	20	20	22	22	20	28	45	50	35	35
	9.25 x 16 RF	12	12	20	22	20	28	45	50	35	35
	9.25 x 16 CG	24	24	20	22	20	28	45	50	35	35
	6.00 x 20	45	45	20	22	20	28	45	50	35	35
	7.00 x 20	50	50	20	22	20	28	45	50	35	35
	7.50 x 16	35	35	20	22	20	28	45	50	35	35
	10.50 x 16	25	25	20	22	20	28	45	50	35	35
	7.50 x 20	35	35	20	22	20	28	45	50	35	35

Heavy.....

6-wheeled.....

TRACTORS :

Heavy Breakdown 6 x 4	13.50 x 20	40	40	22	20	28	45	50	35	35
Heavy Breakdown 4 x 4	13.50 x 20 RF	40	40	22	20	28	45	50	35	35
Heavy 6-wheeled.....	13.50 x 20 RF	20	20	22	20	28	45	50	35	35
Heavy 4-wheeled.....	10.50 x 20 RF	26	26	20	22	20	28	45	50	35
Bofors 4 x 4	9.00 x 16 RF	20	20	22	20	28	45	50	35	35
Bofors 6 x 4	10.50 x 16 RF	20	20	22	20	28	45	50	35	35
PA FWD all types.....	10.50 x 20 RF	20	20	22	20	28	45	50	35	35

TANK TRANSPORTERS :

Albion 6 x 4.....	36 x 8	90	90	80	80	100	100	90	90	twins
White Ruxtell	11.25 x 24	80	80	80	80	100	100	80	80	twins
	12.00 x 24	80	80	80	80	100	100	80	80	twins
Trailer 12-wheeled 30-ton.....	10.50 x 15	100	100	80	80	100	100	100	100	twins
Diamond "T" Tractor.....	12.00 x 20	80	80	80	80	100	100	80	80	twins
Rogers Trailer 40-ton.....	8.25 x 15	100	100	80	80	100	100	100	100	twins
Scammell 30-ton.....	13.50 x 20 RF	42	42	20	20	100	100	20	20	(2nd & 3rd axles)
	13.50 x 20	74	74	20	20	100	100	20	20	(4th & 5th axles)

NOTE : RF tyres must not be fitted to axles 4 and 5 of Scammell 30-ton Transporter.

MISCELLANEOUS :

Bedford-Scammell 6-ton.....	32 x 6	50	50	40	40	60	60	70	70	twins
6-wheeled Trailer.....	10.50 x 16	30	30	25	25	60	60	60	60	twins
Bedford OYC Water Tanker 350-gall.....	10.50 x 16	25	25	25	25	60	60	60	60	twins
Water Tanker 350-gall.....	32 x 6 front	60	60	60	60	60	60	60	60	twins
	9.75 x 18 rear	60	60	60	60	60	60	60	60	twins
Bedford MW Water Tanker 230-gall.....	9.00 x 16 RF	30	30	20	20	60	60	60	60	twins
	9.00 x 16	20	20	20	20	60	60	60	60	twins
Water Trailer 15-cwt.....	9.00 x 20	50	50	40	40	60	60	60	60	twins
Fire Pump.....	6.50 x 20	40	40	28	28	60	60	60	60	twins
Trailer 1-ton GS.....	9.00 x 13	28	28	40	40	60	60	60	60	twins
Trailer Generator 2-wheeled.....	10.50 x 20	40	40	55	55	60	60	60	60	twins
Trailer 4-wheeled 5-ton.....	7.50 x 20	55	55	50	50	60	60	60	60	twins
(excluding A & Radar Trailer).....	10.50 x 16	50	50	50	50	60	60	60	60	twins
Trailer 7-ton Recovery.....	10.50 x 13	60	60	60	60	60	60	60	60	twins

: Driving and trailer axle twins.

Type of Vehicle	Tyre Size	Pressure in lbs per sq inch	
		Front	Rear
"A" VEHICLES (WHEELED) :			
Canadian Scout Car Mk III.....	9.25 x 16 RF	25	30
Cars Light Reconnaissance.....	9.25 x 16 RF	12	20
Armoured Cars and Scout Cars.....	7.00 x 18 RF	24	24
	8.25 x 20 Combat	50	60
	10.50 x 16 RF	30	30
	10.50 x 20 RF	30	34
	13.50 x 20 RF	28	32
	13.50 x 20	52	52
	14.00 x 20 Combat	70	80

- NOTE :
- (1) Certain types of vehicles are not catered for above. Pressures for such types will be published by heads of Services concerned.
 - (2) RF tyres 9.00 x 16 and 9.25 x 16 are NOT interchangeable on the rims, but the tyre pressures are the same.
 - (3) Tyre sections of 10.50 and 13.50 are identical with sections of 11.00 and 14.00 respectively. The slight difference in size are due to different makers' moulds. These types are interchangeable.

NS/49

22 August 1944

SUBJECT: ACC Proposal for Sale of U.S. Vehicles to Italian Government;
 AFHQ Plan for Operation and Maintenance of ACC Vehicles.

TO : AFHQ, C-5 (ATTENTION: Asst. Chief of Staff)

HEADQUARTERS
 THE CONTROL COMMISSION
 ECONOMIC SECTION
 APO 394

ALX/ml

1. There would appear to be some misunderstanding reflected in your letter 537 of August 3rd, quote; ACC's proposal for sale vehicles NS/49 - 24 April 44 - 2 May 44 - is not occurred in. The AFHQ plan will, therefore, be adopted. This plan has already been accepted in principle by ACC and, is in effect, now in operation, reference Paras 4 - 9 of ACC letter 13 June 44, signed Albright, unquote.

2. It was understood by this HQ at the end of last May that the sale of vehicles requested in our letter, NS/49, was not concurred in by AFHQ and, this request, therefore, ceased to be considered by the Transportation Sub-Commission. Subsequently, Lt. Col. Franklin was sent to this HQ to discuss an AFHQ plan for maintenance. This plan could not be wholly implemented by ACC. Certain parts of it were adopted where these were found to be practical; other parts were already in effect in ACC and some of the proposals could not be made use of, in view of the lack of sufficient personnel and a geographical situation, which would not allow for the dispersal of vehicles as suggested.

3. It was agreed at the conference that, if ACC furnished to AFHQ full information on each British vehicle allocated to it, a LAD unit would be provided for each 100 vehicles. To this date less than 10% of this equipment has been forthcoming.

4. You were advised by letter of Col. Albright dated June 13, 1944 of the results of the conference on the AFHQ plan for maintenance and the limitations of ACC in this respect. It was concluded at that time that, if both personnel and LAD units were made available, further efforts along the line proposed would be made by ACC. Your statement is now not understood in which you request ACC to adopt the AFHQ maintenance plan when, your HQ have been advised both in conference with Lt. Col. Franklin and, by letter as to the limitation within which it is feasible, and is being adopted.

5. Lt. Col. Franklin in a meeting with General C'Dwyer at this HQ on August 22nd further stated that, ACC Transportation Sub-Commission had not provided AFHQ with required data on the British vehicles now allocated to ACC. As noted above, it was understood that when this information was provided, LAD units would be forthcoming. In view of Lt. Col. Franklin's

File
2/16
Transportation SC

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5. Lt. Col. Franklin in a meeting with General O'Dwyer at this HQ on August 2nd furthermore stated that, ACC Transportation Sub-Commission had not provided AFHQ with required data on the British vehicles now allocated to ACC. As noted above, it was understood that when this information was provided, LAD units would be forthcoming. In view of Lt. Col. Franklin's statement, we are forwarding to you an additional copy of July's report which was in part mimeographed and despatched through G-4, to your HQ. The June report was sent direct.

For Captain STONE (HNS):

WILLIAM O'DWYER
Brigadier General, USA.
Vice President
Economic Section

1 Incl: July's Transportation Report.

UNIT MAINTENANCE INSPECTORATE

UNIT : HQ, A.C.O.

O.C. : Lt. Col. R. H. ROBERTSON

VEHICLES : WAR ESTABLISHMENT Nil
HELD 100
INSPECTED 25

DATE OF INSPECTION 5/6 August 1944

INSPECTION REPORT No. ACE/3/42

RESTRICTED

W.E. No. Nil

REFERENCE TO PREVIOUS INSPECTION REPORT.....BY CAPT.....

1. STANDARD OF MAINTENANCE: **VERY GOOD.** The vehicles were found to be efficiently maintained.
2. M. I. DISCIPLINE: 5 Vehicle Sections have been formed, and there is an M.C.O. in each one who is responsible for the supervision of the Drivers' maintenance. The Task System is strictly adhered to.

The records in these books are carefully maintained with the exception of the following faults, noted in a number of cases. Officer's signature required for Page 1, and the record of Vehicle Transfer between Units.
These inspections are efficiently carried out each month and the books subsequently signed by the O.C.
A record of vehicle defects is kept.
3. DOCUMENTATION:
(a) A.B. 412

(b) A.B. 406

(c) Defect Book;
4. ENGINE: No excessive looseness was found, and a high standard of engine cleanliness prevailed throughout.
5. AIR AND FUEL FILTERS: 6 oil bath type air cleaners were dirty, and two more required the oil level topping up. Two cases were noted of petrol pumps and main filters having a high percentage of water in them.
6. STEERING: Careful attention had been paid to nipple lubrication with G. 500 oil, but 4 steering boxes needed topping up; in one case this was due to an excessive leak.
7. TRANSMISSION: This maintenance had been satisfactorily carried out, both with regard to lubrication and the tightness of nuts and bolts.
8. SPRINGS: Springs were found to be in a clean condition, with 'U' bolts efficiently tightened.
9. BODY BOLTS ETC.: Few of these bolts needed any further attention.
10. BATTERIES: The level of electrolyte was correct, and in the great majority of cases cleanliness of a high standard, but Grease G.S. had been used on the terminals of 4 batteries.
11. TIRES: Road wheel pressures conformed to the new G.R.O. 5.5/44, but a number of spare wheels were not inflated to the correct pressure.

4570

efficiently maintained.

2. M. I. DISCIP LINE:

5 Vehicle Sections have been formed, and there is an M.O.C. in each one who is responsible for the supervision of the Drivers' maintenance. The Disk System is strictly adhered to.

3. DOCUMENTATION:

(a) A.B. 442

The records in these books are carefully maintained with the exception of the following faults, noted in a number of cases. Officer's signature required for Page 1, and the record of Vehicle Transfer between Units.

(b) A.B. 406

These inspections are efficiently carried out each month and the books subsequently signed by the O.C.

(c) Defect Book;

A record of vehicle defects is kept.

4. ENGINE:

No excessive looseness was found, and a high standard of engine cleanliness prevailed throughout.

5. AIR AND FUEL FILTERS:

6 oil bath type air cleaners were dirty, and two more required the oil level topping up. Two cases were noted of petrol pumps and main filters having a high percentage of water in them.

6. STEERING:

Careful attention had been paid to ample lubrication with C. 600 oil, but 4 steering boxes needed topping up; in one case this was due to an excessive leak.

7. TRANSMISSION:

This maintenance had been satisfactorily carried out, both with regard to lubrication and the tightness of nuts and bolts.

8. SPRINGS:

Springs were found to be in a clean condition, with 'U' bolts efficiently tightened.

9. BODY BOLTS ETC.:

None of these bolts needed any further attention.

10. BATTERIES:

The level of electrolyte was correct, and in the great majority of cases cleanliness of a high standard, but Grease G.S. had been used on the terminals of 4 batteries.

11. TYRES:

Road wheel pressures conformed to the new G.R.O. 445/44, but a number of spare wheels were not inflated to the correct pressure.

12. OIL STORAGE:

Oil is satisfactorily stored indoors.

13. (a) No. OF DEFECTS REPORTED TO UNIT FOR ACTION BY DEFECT REPORT: Nil.

(b) UNRECORDED DEFECTS NOTED: 5606915 Dodge 3-ton. O/S tyre will foul on absorber arm at full lock.

14. POINTS RAISED BY UNIT: It is felt a fixed M.E. would be most beneficial as this would enable this H.Q. to obtain the authorised number of vehicles and eliminate to a certain extent the Pool system existing now.

15. RECOMMENDATIONS:

1. (para 5 a refers). That the necessary Officer's signature be inserted in A.Bs.412.
2. (para 5 refers) That all air and fuel filters are inspected every 7 days to ensure their cleanliness.
3. (para 6 refers) That all oil levels are correctly maintained. In the case of serious leak special attention must be paid to this maintenance until the defect is remedied.
4. (para 10 refers) If vaseline or oiling are unavailable battery terminals must be left clean and dry.
5. (para 11 refers) That spare wheels are kept inflated to the correct pressure i.e., the pressure quoted for the rear wheels.

16. REMARKS:

This H.Q. enjoys the advantage of having an extremely well equipped garage in which to service it's vehicles, and full use is made of those premises.

The M.I. staff know their job and carry out their duties most efficiently. This, in turn, has made itself felt to the Drivers, with the result that a high standard of maintenance was found on nearly every vehicle inspected.

The Inspector wishes to thank the P.O. for this kind hospitality, and also the assistance that was so readily extended throughout the course of his stay.

(Signed); A.C. FLEWIS Capt.
Inspector

ACE/TW

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S.I., U.M.I., 3 District (2)
Capt. A.O. Flews.

BSA/hl

HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission
APO 394

Ref: ACC Tn/67
19 August 1944.

Tel. 220.

TO : Vice President, Economic Section

SUBJECT: Maintenance Section (Road Division)
Transportation Sub-Commission

1. At the present time it is understood that the matter of maintenance is under review and therefore the following information and suggestions are submitted.

2. Transportation Sub-Commission has now the Headquarter responsibility for control of the operation of some 15000 W.D. vehicles released to ACC; in addition the control of some 3000 Italian vehicles used in the haulage of civilian supplies.

With this operating responsibility, this Sub-Commission is therefore the Agency vitally interested in the maintenance of all of the above mentioned vehicles.

3. The maintenance requires personnel, tools, tyres, tyre repair and rehabilitation, spare parts, garages and shops. This Sub-Commission has already established small sections for dealing with the procurement of maintenance supplies, as follows:-

a) A tyre section which is responsible for the control operation, output and allocation of tyre retreading and repair plants. We have secured a substantial block of C-1 (used Army tyres) for repair in these tyre plants and subsequent use for our purposes. These repair plants are located at Rome, Bari, Naples and others will be brought in operation as supply becomes available.

b) Parts section has obviously the responsibility for procurement and distribution of parts. Substantial stocks of parts for Italian vehicles have been "frozen" and are being issued under strict control. Steps are under way for the resumption of manufacture of some parts. Our W.D. vehicles must be supplied with parts through Army sources and as result of our requisitions we now have available a substantial quantity of spare parts

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a) A tyre section which is responsible for the control operation, output and allocation of tyre retreading and repair plants. We have secured a substantial block of G-1 (used Army tyres) for repair in these tyre plants and subsequent use for our purposes. These repair plants are located at Rome, Bari, Naples and others will be brought in operation as supply becomes available.

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4. Plans have been made and implemented in the Regions for road haulage by contract with Italian Commercial Haulage Companies; these Companies are being supplied with parts under control of this Sub-Commission.

5. In view of the above rather extensive responsibility it is apparent that good organization requires that this Sub-Commission have charge of maintenance. With this maintenance we must have control of the necessary personnel, tools, equipments, garages, shops, etc.

6. At present time ACC domestic W.D. cars, trucks and requisitioned cars assigned to Regions are under separate control and responsibility for maintenance. In view of the shortage of personnel, tools, equipments and other facilities, it is suggested that the maintenance be consolidated with that of our civilian supply vehicles under control of Transportation Sub-Commission; with this centralization there must be turned over to this Sub-Commission all other above mentioned personnel, tools, equipments etc. This must include all Officers, EM/OR's and Italian Military, or civilian personnel engaged in both operations and maintenance of motor vehicles.

7. Rome ACC Head-Quarters vehicle operation and maintenance should come under the same plan and handled in the same way as the Region.

8. The Officer i/c, other Officers, EM/OR's and other personnel on vehicle operation and maintenance at Rome ACC. Headquarters, would be in the same position as similar personnel in a Region.

9. It is emphasized that there are now other Agencies at this Headquarters that have vehicle operation and maintenance responsibilities and that apparently have first call on personnel with the result that the Transportation Sub-Commission is seriously handicapped in this respect.

If control is centralized as suggested above, it will correct this situation.

D.S. ADAMS
Colonel, C.E.
Tr. Sub. Comm.

HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission
APO 394

Our Ref: A35/Tn/T/28

Date: 17 August 1944

Tele: 378

SUBJECT: Maintenance.

TO : Brig. General O'Dwyer, Vice President Economic Section.

1. At the present time, Transportation Sub-Commission has assigned to it, for its allocation, a substantial number of B.D. vehicles both British and American. These vehicles are in turn allocated by this Sub-Commission to the various Regions. There are also in operation in the Region a substantial number of civilian trucks and cars.

2. In addition to the above vehicles there are requisitioned cars and B.D. vehicles of various kinds including trucks the operation and allocation of which are under agencies of the A.E.C. including the 26th Regt. and the British A.C.O.D. counter part, 2nd (B) and others.

3. Maintenance of all of these vehicles is a divided responsibility, part of which is assumed to be that of the Transportation Sub-Commission. The difficulty of this Sub-Commission is that other agencies control all of maintenance personnel both officers, NCOs and a substantial part of the maintenance tools and equipment.

4. It is suggested that one agency having the control, as indicated in the previous paragraph, should be made responsible for all of the maintenance.

5. If this Sub-Commission is to be responsible for all maintenance, then it should have under its complete control and authority all personnel, tools, equipment and personnel both officers, NCOs. The same principle should apply to the control of facilities such as garages and repair shops.

6. The writer is interested in building up this Sub-Commission to a high state of efficiency and services to the entire organization. Further, as a sub-commission of the Economic Section, to make its full contribution towards the effectiveness of that Section. This cannot be done in respect to the above matter, under the present existing conditions.

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D.S. ADAMS,
Colonel, CE.

1. At the present time, Transportation Sub-Commission has assigned to it, for its allocation, a substantial number of U.S. vehicles both British and American. These vehicles are in poor condition. By this Sub-Commission to the various Regions. There are also in operation in the Regions a substantial number of civilian trucks and cars.

2. In addition to the above vehicles there are regulated cars and U.S. vehicles of various kinds including trucks the operation and allocation of which are under guidance of the A.C.O. including the 267th Regt. and the British A.C.O. counter part, G-4 (B) and others.

3. Maintenance of all of these vehicles is a divided responsibility, part of which is assumed to be that of the Transportation Sub-Commission. The difficulty of this Sub-Commission is that other agencies control all of maintenance personnel both officers, NCOs and a substantial part of the maintenance tools and equipment.

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D.S. ADAMS,
Colonel, SE.
Director Transportation Sub-Commission

Copy: To: Col. Carnes
Roads Section

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HEADQUARTERS
ALLIED CONTROL COMMISSION
APO 394
(Establishment Branch)

13 June 1944.

SUBJECT: A.F.H.Q. Plan for Maintenance of ACC vehicles.

TO : A.F.H.Q., G-5.

1. The vehicle maintenance plan prepared by AFHQ as an alternative to the sale of WD vehicles to the Italian Government for use in civil supply and public service is adaptable to the organizations that have already been established for this purpose by A.C.C.

2. In any system adopted, the efficacy of the system will depend on either:

a. Of a financial incentive to Italian personnel to properly maintain and preserve the vehicle, or

b. A very large increase in the personnel - officers and motor maintenance FM/ORs - allocated to ACC; the present ceiling accepted by the Chief Commissioner does not cover the personnel necessary for the proper supervision and maintenance of 1000 or more vehicles for civilian supply needs.

3. The actual detailed outline and proposed chain of command of the AFHQ plan cannot be adapted in view of the inherent additional requirements of personnel and the fact that the proposed organization would not make proper use of facilities, nor allow for commercial practices, which ACC has determined to be essential in rehabilitating Italian Transport and bring maximum use to civilian vehicles.

4. A separate section under G-4 ACC is being formed to deal with:

a. Centralized requisitioning for spare parts, tools and equipment for both ACC TO/WE, WD civilian supply vehicles and WD vehicles used for maintaining essential services E.G. - telephones, roads, malaria control.

b. Centralized census for both TO/WE and all ACC WD vehicles.

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- a. Centralized requisitioning for spare parts, tools and equipment for both ACC TO/WE, WD civilian supply vehicles and WD vehicles used for maintaining essential services E.G. - telephones, roads, malaria control.

- b. Centralized census for both TO/WE and all ACC WD vehicles.

- c. Control of all requisitioning vehicles. (Spare parts, tires.)

5. Combined maintenance shops for both TO/WE vehicles and vehicles allocated to ACC for civilian supply purposes are being formed. These shops are comparable to American 2nd Echelon Maint. Shops. In some cases, these have already been formed in Regions and for HQ. ACC.

6. The ACC plan of operation is as follows: -

- a. Regional Commissioner will be responsible for all WE/TO vehicles and WD vehicles allocated to or on loan to the Region.

b. Region HQs will have two Motor Transportation Officers (One American, one British), the senior officer being the Regional Transportation Officer.

c. In every province in a region, there will be a motor transportation officer who may have additional duty; He should have a Sergeant (A or B) and two mechanics (A or B) to supervise Italian mechanics.

d. Vehicles in the provinces will be serviced by the combined maintenance shops referred to in para 4 above.

7. Requisitions for Spare parts, tools and census returns will be forwarded by the Regional Transportation Officer through the Regional Commissioner to the Section referred to in para. 3.

8. It must be noted that it is not practicable to divide the vehicles into groups of 100, or any set figures, because the transport needs of the regions vary in different localities and at various times, but ACC can make excellent use of the tools of LAD unit in the central garage of each region.

9. The suggested system of maintenance recommended by AFHQ AFHQ has already been forwarded to regions and is in effect.

JOHN J. ALBRIGHT
Colonel, Inf.
Establishment Officer,
For the Executive Commissioner

DSA/gfh

ADVANCED HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission
APO 394

Our Reference : ACC Ta/67/1

Date : 15 July '44

TO : Col. J.J. Albright,
Establishments Officer.

SUBJECT : Maintenance Section (Road Division) Transportation Sub-Commission.

1. (a) A Maintenance Section will be established under the Road Division, Transportation Sub-Commission.

(b) Personnel required :-

- 1 Maintenance Officer in charge - A or B.
- 1 Assistant Maintenance Officer - B or A.
- 1 Italian Civilian Assistant.
- 2 Cars (Jeeps or equivalent for road travel)
- 2 Driver Clerks.

2. The Maintenance Officer will be the H.Q., Officer responsible for the supervision, control, organization, and inspection of all vehicle maintenance; this includes both domestic and civil transport vehicles at H.Q., and/or Regions.

3. In connection with his other duties the Maintenance Officer will co-operate closely with G-4, ACC., giving particular attention to seeing that Regional Transportation Officers comply with G-4 requirements in connection with forwarding of motor vehicle parts requisitions, vehicle reports, accident reports, vehicular and equipment surveys and other reports.

Sd. D. Adams

D.S. ADAMS.
Colonel, C.E.

Director, Transportation Sub-Commission, ACC.

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