



TRACTEURS J-5 & SW TRACTORS

MANUEL DU
CONDUCTEUR
ET LISTE
DES PIÈCES
DE RECHANGE

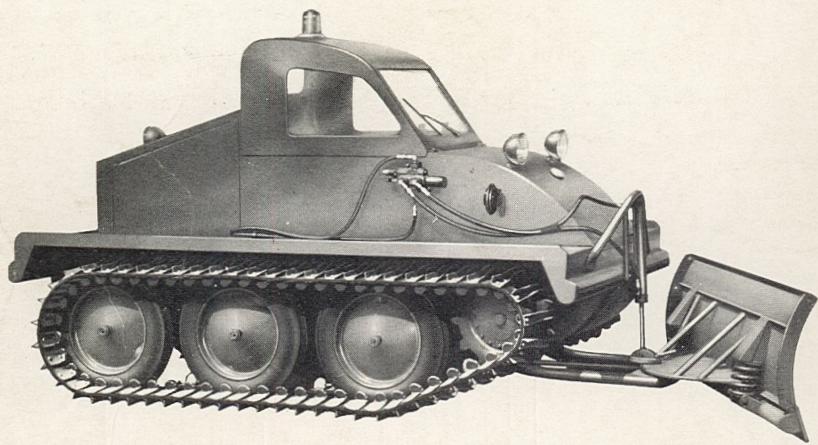
OPERATOR'S
MANUAL
AND
SPARE PARTS
LIST



MANUFACTURED BY
FABRIQUÉ PAR

BOMBARDIER SNOWMOBILE LIMITED
L'AUTO-NEIGE BOMBARDIER LIMITÉE
VALCOURT, QUE.

CANADA



BOMBARDIER Tractor SW series
Tracteur BOMBARDIER de la série SW

INTRODUCTION

This book contains the necessary information and instructions for the maintenance of the J-5 and the SW tractors.

The owner or operator who wishes to obtain the most economical and dependable performance should read the following pages carefully and follow the recommendations faithfully.

This tractor was built with the best materials known but proper maintenance is essential to insure long satisfactory service.

Ce manuel contient les informations et instructions nécessaires à l'entretien des tracteurs J-5 et SW.

Le propriétaire ou l'opérateur qui désire obtenir le rendement le plus économique devra lire les pages suivantes attentivement et suivre les recommandations soigneusement.

Ce tracteur a été fabriqué avec les meilleurs matériaux connus mais un bon entretien est essentiel pour en obtenir un long service.

GENERAL INSTRUCTIONS

Control Levers:

The J5 and SW tractors differ from ordinary vehicles only by the steering and braking system.

The steering and brake levers replace the steering wheel and the brake pedal of ordinary vehicles. A right turn will be made by pulling on the right hand lever, a left turn by pulling on the left hand lever. For braking, pull on both levers at the same time.

Instrument Panel:

The instrument panel includes the following standard items; ignition switch, starter switch, ammeter, temperature gauge, wiper switch, oil and gasoline gauges and headlight switch.

The SW also includes; heater switch, hour meter, blue flasher switch, rear light switch and horn button.

Driving Control:

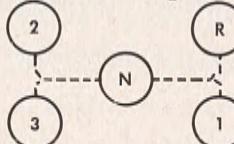
The starter button is on the right of the ignition switch.

J5 and SW tractors are equipped with a hand choke located at the left of the driver's back rest.

There are 2 control pedals on the toe-board; the clutch pedal on the left and the accelerator pedal on the right.

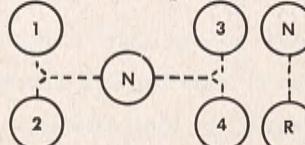
Transmission Gearshift Controls

Gearshift lever positions:



Transmission Gearshift Controls for 4 speed transmission.

Gearshift lever positions:



The right hand side lever has only one travel and is used to shift into reverse.

The left hand side lever engages forward speeds.

Each lever has to be shifted back to neutral position before using the other.

INSTRUCTIONS GÉNÉRALES

Leviers de Contrôles:

Les tracteurs J-5 et SW diffèrent des véhicules ordinaires que par le système de direction et de freinage.

Les deux leviers de commande remplacent à la fois le volant des véhicules ordinaires et les pédales de freinage. Pour exécuter un virage à droite on actionne le levier de droite et pour tourner à gauche on actionne celui de gauche. En actionnant les deux leviers en même temps, ils agissent comme freins et on obtient un arrêt rapide.

Tableau de Bord:

Le tableau de bord comprend les item réguliers suivants: clé d'allumage, commande du démarreur, ampèremètre, indicateur de température, le commutateur de l'essuie-vitre, jauge de pression d'huile et de carburant et commutateur des lumières avant.

Le SW a de plus: le commutateur de la chauffette, le cadran compteur d'heures, le commutateur du signal clignotant, le commutateur de la lumière arrière et le bouton de l'avertisseur.

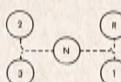
Contrôles:

La commande du démarreur est située à la droite de la clé d'allumage.

Les tracteurs J-5 et SW sont équipés d'un étrangleur manuel situé à gauche du dossier du conducteur.

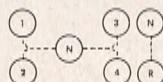
Il y a 2 pédales de commande au plancher: celle de l'embrayage à gauche et celle de l'accélérateur à droite.
Contrôles de la Boîte de Vitesses

Positions du levier du changement de vitesse



Contrôles de la Boîte de Vitesses 4 vitesses.

Positions du levier du changement de vitesse



Le levier de droite n'a qu'une course et est utilisé pour engager la renverse. Le levier de gauche sert à engager les 4 vitesses avant.

Chacun des leviers doit être ramené à la position neutre avant de se servir de l'autre.

MAINTENANCE INSTRUCTIONS

Working with a tractor of the BOMBARDIER type requires on the part of the operator a basic knowledge of the principles of construction of the tractor so that he may take advantage of the features of the machine without abusing it or making errors which can be avoided.

For example, speed which is a marked advantage in a machine can become a cause of breakdowns if the tractor is driven too fast on rocky ground, stumps and logs, etc. . . .

Install a screen on the radiator when working in places where there are leaves or other objects that may block the radiator.

To obtain the maximum performance from this tractor, it is very important to follow the recommendations given on the subject of lubrication.

INSTALLATION AND ADJUSTMENT OF THE TRACKS

To Remove the Tracks:

- 1 — Lift tractor,
- 2 — Remove center wheel,
- 3 — Remove adjusting-screw:
 - a) Remove lock-nut,
 - b) Unscrew adjusting screw nut and tube, then remove adjusting screw from its support on Tandem Axle,
- 4 — Unscrew bolts on pressure plates of rear spindle,
- 5 — Push rear wheel forward as much as possible,
- 6 — Remove track.

To Install the Tracks:

- 1 — Remove adjusting screw,
- 2 — Unfasten rear wheel including rear spindle from Tandem Axle by removing the bolts or nuts,
- 3 — Install tracks on sprocket,
- 4 — Engage tracks on first and second wheels and put rear wheel into tracks,
- 5 — Slide rear wheel into position and bolt rear spindle on Tandem Axle,
- 6 — Install adjusting screw and adjust tracks,
- 7 — Tighten the bolts on pressure plates of rear spindle.

N.B. The tracks are adjusted by tightening the adjusting screw nut. Do not forget to tighten the lock-nut and also the pressure plates of the rear spindle.

To give normal tension to the tracks, place the tractor on a level surface and tighten the adjusting screws until the front end of the tractor is lowered to approximately $\frac{3}{4}$ " higher than the rear when the springs are in good condition.

INSTRUCTIONS D'ENTRETIEN

L'utilisation d'un tracteur du type BOMBARDIER requiert de la part de celui qui le conduit une connaissance de base des principes de construction afin de prendre avantage des qualités de l'appareil sans le soumettre à des abus et erreurs dans son emploi qui pourraient occasionner une détérioration inutile ou des réparations évitables.

Par exemple, la vitesse qui est un avantage marqué deviendra une cause de brisure lorsque le tracteur sera conduit à une vitesse excessive sur un terrain rocailleux, par dessus des obstacles tels que souches et billes de bois, etc. . . .

Couvrir d'une moustiquaire le radiateur lorsque vous travaillez dans un endroit où il y a beaucoup de feuilles ou autres choses pouvant bloquer le radiateur.

Pour obtenir la meilleure performance de votre tracteur, il est très important que vous suiviez les recommandations données au sujet de la lubrification.

INSTALLATION ET AJUSTEMENT DE LA CHENILLE

Pour enlever la chenille:

- 1 — Soulevez le tracteur.
- 2 — Enlevez la roue centrale.
- 3 — Enlevez la vis d'ajustement:
 - a) Enlevez le contre-écrou,
 - b) Desserrez l'écrou d'ajustement,
 - c) Enlevez la vis d'ajustement.
- 4 — Desserrez les boulons de la plaque de pression de l'unité d'ajustement.
- 5 — Poussez la roue arrière vers l'avant autant que possible.
- 6 — Enlevez la chenille.

Pour installer la chenille:

- 1 — Enlevez la vis d'ajustement.
- 2 — Détachez la roue arrière incluant l'unité d'ajustement du tandem en enlevant les boulons ou écrous.
- 3 — Installez la chenille sur la roue de commande.
- 4 — Engagez la chenille sur la première et deuxième roue et passez la roue arrière dans la chenille.
- 5 — Glissez le tout en position et posez les plaques de l'unité d'ajustement et les écrous.
- 6 — Installez la vis d'ajustement et ajustez la chenille.
- 7 — Resserrez les boulons de la plaque de pression de l'unité d'ajustement.

N.B. L'ajustement de la chenille est donné en serrant l'écrou d'ajustement. Ne pas oublier de serrer le contre-écrou ainsi que les plaques de pression de l'unité d'ajustement.

La tension normale à donner aux chenilles est celle qui fera baisser le devant du tracteur à une hauteur d'environ $\frac{3}{4}$ " plus haut que l'arrière, la mesure étant prise au-dessus de l'aile lorsque le tracteur est sur une surface égale et que les ressorts sont en bonne condition.

INSTALLATION AND REPLACEMENT OF AXLE OR SPROCKET

To replace a sprocket or a differential axle, it is necessary to remove the tracks following the details given in previous instructions.

To replace a sprocket on J5 Tractors, proceed as follows:

- 1 — Remove track,
- 2 — Remove flange bolts,
- 3 — Pull out sprocket.

To reinstall, put the sprocket back into position, bolt the flange and install the tracks as per foregoing instructions.

We recommend the following procedure for the replacement of a differential axle on J5 and SW Tractors and also for the changing of a sprocket on the SW:

- 1 — Remove tracks following the foregoing instructions,
- 2 — Remove bolts which hold drive axle housing to the tractor and place the drive sprocket flat on the ground,
- 3 — Press on the lock sleeve and remove the lock ring using a screw driver,
- 4 — The axle can then be removed from the housing.

ADJUSTMENT OF THE CONTROL LEVERS

The steering and brake levers are adjusted by means of a nut which should be tightened if the levers have too much free play.

The adjusting nut is located at the bottom of the lever. Loosen the lock-nut and tighten the adjusting nut leaving about 3" free play between the steering lever and the dashboard. Tighten the lock-nut.

Whenever the tractor is in operation, steering brake bands should not be allowed to drag on the drums taking care to pull the levers only when turning or braking is needed. All control rods from the pedals are adjustable by means of adjusting nuts or clevises.

INSTALLATION ET REMPLACEMENT DES ESSIEUX OU DES ROUES DE COMMANDE

Pour faire le remplacement d'une roue de commande ou d'un essieu, il est nécessaire d'enlever la chenille d'après les détails donnés dans les instructions précédentes.

Pour remplacer la roue de commande sur tracteur J-5, suivez les instructions suivantes:

- 1 — Enlevez la chenille,
- 2 — Enlevez les boulons de la roue de commande,
- 3 — Retirez la roue de commande.

Pour réinstallation, remettez la roue de commande en position, boulonnez et installez la chenille d'après les instructions précédentes.

Nous recommandons la procédure suivante pour le remplacement d'un essieu de différentiel sur les tracteurs J-5 et SW ainsi que pour le changement de la roue de commande du SW:

- 1 — Enlevez la chenille d'après les instructions précédentes,
- 2 — Enlevez les boulons qui tiennent le support conique de l'essieu au châssis du tracteur et mettez la roue de commande à plat par terre,
- 3 — Pressez sur la douille et enlevez l'anneau d'arrêt à l'aide d'un tourne-vis,
- 4 — L'essieu peut ensuite s'enlever du support.

AJUSTEMENT DES LEVIERS DE CONTRÔLE

Un écrou sert à l'ajustement des leviers de contrôle lequel doit être resserré si les leviers ont un libre jeu excessif.

L'écrou d'ajustement se trouve au bas du levier avec un contre-écrou. Desserrez le contre-écrou et resserrez l'écrou d'ajustement en laissant environ 3" de libre jeu entre le levier de commande et le tableau de bord. Resserrez le contre-écrou.

Lorsque le tracteur est en opération, ne pas laisser glisser les bandes de freins de contrôle en ayant soin de ne tirer sur les leviers que lorsque le virage ou le freinage est requis. Tous les leviers pour les pédales de contrôle sont ajustables par l'entremise d'écrou ou de clevis d'ajustement.

ADJUSTMENT OF BEARINGS

Adjustment of suspension tapered roller bearings.

Suspension bearings should be tightened firmly.

However, if you replace suspension parts, when you reinstall the bearings it would be preferable to turn the stop-washer inside out so as to tighten the bearings more firmly. If necessary, add a shim between the inner grease retainer and the frame cross-tube.

Pinion Bearing Adjustment:

To adjust the pinion bearings, use shims if necessary and tighten the bolt so that there is not too much play and that the pinion may be turned by hand without any resistance.

The adjustment of the crown on the pinion is made by loosening the bearing adjuster on one side and by tightening the other so that there is only .008 to .012" free play between the crown and the pinion.

Adjustment of Axle Shaft Bearings:

Axle shaft bearings must be adjusted with shims before reinstalling the drive axle housing assembly.

Adjustment of Wheel Bearings:

Tighten the wheel nut firmly then loosen it $1\frac{1}{2}$ to 2 slots and insert the cotter pin.

To Remove The Track From The T-6 Trailer:

- 1 — Remove adjusting screw by following the instructions given previously.
- 2 — Remove nuts from bolts of rear spindle.
- 3 — Remove wheel from track.
- 4 — Remove track.

To Install the Track on a T-6 Trailer:

- 1 — Remove rear wheel by taking the bolts from rear spindle.
- 2 — Put track over the front wheel.
- 3 — Put back into place rear wheel including rear spindle and bolt it.
- 4 — Reinstall adjusting screw and adjust track.
N.B. Don't forget to tighten the lock-nuts of the rear spindle.

AJUSTEMENT DES COUSSINET

Ajustement des Coussinets Coniques de Suspension:

Pour l'ajustement des coussinets de suspension, serrez l'écrou jusqu'au fond. Si parfois vous devez enlever et remonter une suspension, lorsque vous réajusterez les coussinets, il serait préférable de tourner de côté la rondelle d'arrêt extérieure afin de serrer le coussinet plus fermement. Si nécessaire, ajoutez une rondelle d'espacement entre le tube du châssis et la rondelle d'arrêt intérieure.

Ajustement des coussinets du pignon du différentiel:

Pour ajuster les coussinets du pignon, servez-vous de rondelles d'espacement si nécessaire et serrez le boulon de façon qu'il n'y ait pas de jeu et que le pignon puisse être tourné à la main sans qu'il y ait de résistance sur les coussinets.

L'ajustement de la couronne sur le pignon se fait en desserrant l'ajusteur du coussinet du différentiel sur un côté et serrant l'autre de façon à garder de .008 à .012" de jeu entre le pignon et la couronne.

Ajustement des coussinets d'essieu du différentiel:

L'ajustement des coussinets d'essieu du différentiel doit être fait avec l'aide de rondelles d'espacement avant de faire la réinstallation de l'essieu et de son support.

Ajustement des coussinets de roues:

Serrez l'écrou jusqu'au fond, puis desserrez de $1\frac{1}{2}$ à 2 coches et insérez la goupille.

Pour enlever la chenille de la remorque Modèle T-6:

- 1 — Enlevez la vis d'ajustement d'après les détails donnés dans les instructions précédentes.
- 2 — Détachez la roue arrière en enlevant les boulons de l'essieu arrière.
- 3 — Retirez la roue de la chenille.
- 4 — Enlevez la chenille.

Pour installer la chenille sur la remorque Modèle T-6:

- 1 — Retirez la roue arrière en enlevant les boulons de l'essieu arrière.
 - 2 — Mettez la chenille sur la roue avant.
 - 3 — Placez la roue arrière dans la chenille et réinstallez.
 - 4 — Installez l'écrou d'ajustement et ajustez la chenille.
- N.B. N'oubliez pas de serrer les contre-écrous de l'essieu arrière.

RECOMMENDATIONS FOR DAILY CHECK-UP

General:

Keep the inside of the chassis clean.
Follow instructions for lubrication.

Tracks:

The correct tension of the tracks maintains the front of the tractor at approximately $\frac{3}{4}$ " higher than the rear on level ground, provided spring tension is normal. Measure from top of mudguard.

Make sure there are no broken cross links, track guards or bolts.

On a new tractor, keep the tracks and sprockets wet whenever it is possible.

Wheels:

Keep the pressure of the tires at 90 lbs.

Remove mud or any foreign matter on the suspension as it may rub against the wheels or tires.

Suspension:

Check the condition of the bogie spring link bolts as well as the nuts and cotter pins on cross shafts.

Control System:

Keep the steering brake levers well adjusted: 3" free play.

Engine:

Check the oil pressure and look for possible oil or gas leaks.
Check the condition of the air filter.

Electrical System:

Check level of electrolyte in the battery.
Check all instrument panel gauges.

Cooling System:

Check the level of the coolant in the radiator; look for possible leaks.

Check tension of fan belt.

RECOMMANDATIONS POUR VÉRIFICATION QUOTIDIENNE

Générale:

Maintenir le fond du châssis du tracteur propre.
Suivre les instructions pour la lubrification.

Chenille:

La tension de la chenille est correcte lorsque l'avant du tracteur se maintient à approximativement $\frac{3}{4}$ de pouce plus haut que l'arrière quand le tracteur est sur une surface égale et que le ressort est en bonne condition. Mesurer du haut du garde-boue.

S'assurer qu'il n'y a pas de traverses de chenilles, de boulons ou de garde-chenilles défectueux.

S'il s'agit d'un tracteur neuf, gardez autant que possible les chenilles humides.

Roues:

Maintenir la pression des pneus à 90 lbs.

Enlevez la boue, la glaise ou les corps étrangers qui pourraient être sur la suspension et causer de la friction contre les roues ou les pneus.

Suspension:

Vérifier la condition des boulons supportant les ressorts ainsi que les écrous et goupilles des essieux transversaux.

Système de contrôle:

Maintenir les leviers de contrôle de direction bien ajustés: 3" de jeu libre.

Moteur:

Vérifier la pression d'huile et dépister les fuites possibles de carburant ou d'huile.

Vérifier la condition de l'épurateur d'air.

Système électrique:

Vérifier le niveau de l'eau dans la batterie et le fonctionnement des cadrons indicateurs.

Système de refroidissement:

Vérifier le niveau de l'anti-gel ou de l'eau dans le radiateur et dépister les fuites.

Vérifier l'ajustement de la courroie d'éventail.



RECOMMENDATIONS FOR WEEKLY CHECK-UP

Tracks:

Check condition of the belts and look for worn cross links.
Tighten cross link bolts if necessary.

Drive:

Check the condition of the sprocket wheel and tighten bolts if necessary.

Tighten the bolts of the drive axle housing.

Wheel:

Make sure the wheel bearings are properly adjusted.

Suspension:

Condition of the links and bolts of the bogie springs.

Condition of the suspension bearings.

Check wheel alignment.

Steering System and Differential:

Adjustment of the throttle and clutch rods.

Condition of the steering brake band linings.

Differential and carrier bolts; tighten if necessary.

Universal joints of the drive shaft.

Adjustment of the pinion bearings.

Engine:

Adjustment of the valves if necessary.

Check tightness of spark plugs, manifold, exhaust and cylinder head gaskets.

Check tightness of fan bolts.

Electrical System:

Battery cables; clean and tighten.

Check wiring system.

Body:

Adjustment of the cab support friction disc.

RECOMMANDATIONS POUR VÉRIFICATION HEBDOMADAIRE

Chenilles:

Examen de la condition des courroies et de l'usure des traverses de chenilles.

Serrage des boulons de traverses si nécessaire.

Roue de commande:

Examen des roues de commande et serrage des boulons.

Resserer les boulons unissant la cloche de l'essieu au châssis du tracteur.

Roues:

S'assurer que l'ajustement des coussinets de roues est correct.

Suspension:

Condition des accouplements et des boulons des ressorts.

Condition des coussinets supportant la suspension.

Vérification de l'alignement des roues.

Système de conduite et différentiel:

Vérifier l'ajustement des tiges de contrôles pour l'accélérateur et le système d'embrayage.

S'assurer que les garnitures de freins de contrôle ne sont pas usées.

Vérifier la tension et le serrage des boulons du couvercle et du support du différentiel si nécessaire.

Vérification des cardans de l'arbre de commande.

Vérifier l'ajustement des coussinets du pignon du différentiel.

Moteur:

L'ajustement des soupapes du moteur est-il correct ?

Vérifier le serrage des bougies ainsi que des boulons des dispositifs d'étanchéité du système d'échappement et de la culasse des cylindres.

Vérifier la tension des boulons de l'éventail.

Système électrique:

Nettoyage, graissage et serrage des fils de batterie, si nécessaire.

Vérification du système de filage.

Cabine:

Vérification de l'ajustement du disque à friction supportant la partie haute de la cabine.

LUBRICATION

BOMBARDIER TRACTORS J5 and SW

Crankcase:

Check oil level daily; if oil level indicator is at "add oil", replenish.

After every 50 hours of operation, drain the oil when the engine is at operating temperature and replace with new oil of proper grade. If engine has been idle for a period of 30 days or longer, replace the oil. (4 quarts.)

Air Filter:

Drain, wash and dry the reservoir and filter element every 100 hours. Re-oil with SAE 50 engine oil in summer and SAE 20 or 30 in winter. When tractor operates in excessively dusty conditions, repeat more often.

Distributor:

2 or 3 drops of light engine oil in oil cup at every 100 hours of operation.

Oil Filler Pipe Cap:

Remove, wash and re-oil the filter element with SAE 50 oil.

Transmission:

Check the level and the condition of the oil every 50 hours. If there is condensation, change the oil using transmission oil SAE 90 or SAE 80 according to the ambient temperature.

Change the oil every 200 hours by removing the transmission cover and using a suction pump.

When the vehicle operates in extremely cold conditions, use lighter grade oil.

Differential:

Check the level and the condition of the oil daily. If it is water contaminated, drain, flush and refill with 3 gallons of multi-purpose, non corrosive extreme pressure gear oil SAE 90 or SAE 80 according to the ambient temperature. The differential drain plug is located beneath the drive axle housing on the right hand side and the carrier drain plug underneath the pinion housing inside the tractor.

Change the oil every 100 hours of operation. If the tractor operates in water or mud, change oil more often.

Oil Filter:

Replace oil filter when changing the oil (5 quarts) at every 100 hours of operation. In excessively dusty conditions, the oil filter should be changed more often.

Generator:

A few drops of oil in each oil cup every 100 hours.

LUBRIFICATION DES TRACTEURS BOMBARDIER SÉRIES J-5 et SW

Carter:

Vérifiez le niveau d'huile du carter tous les jours et ajoutez si nécessaire.

A toutes les 50 heures d'opération, changez l'huile en remplaçant par de l'huile de degré approprié à la température. Si le moteur a été plus de 30 jours sans marcher, remplacez l'huile (4 pintes).

Épurateur d'air:

Videz, lavez et asséchez le réservoir et l'élément filtrant à toutes les 100 heures. Remplissez jusqu'au niveau indiqué avec de l'huile SAE 50 l'été et SAE 20 ou 30 l'hiver. Lorsque le tracteur opère dans des conditions de poussière excessive, répétez cette opération plus souvent.

Distributeur:

2 ou 3 gouttes d'huile claire dans le graisseur toutes les 100 heures.

Couvercle du tube de remplissage du carter:

Enlevez, lavez et huilez l'élément avec de l'huile SAE 50.

Boîte de Vitesses :

Vérifiez le niveau et la condition de l'huile à toutes les 50 heures. S'il y a de la condensation dans l'huile, la changer en employant de l'huile SAE 90 ou SAE 80 selon la température.

Changez l'huile à toutes les 200 heures. Pour vider la boîte de vitesses, enlevez le couvercle et employez une pompe à succion.

Par température excessivement froide, employez de l'huile plus claire.

Différentiel:

Vérifiez la condition et le niveau de l'huile à tous les jours. Si l'huile est contaminée par l'eau, videz, nettoyez et remplissez avec 3 gallons d'huile à engrangement tout usage, non corrosive qui peut supporter des pressions extrêmes SAE 90 ou SAE 80 d'après la température ambiante. Le bouchon de vidange est sous le support de l'essieu droit et un autre sous l'enveloppe du pignon à l'intérieur du tracteur.

Faites le changement d'huile à toutes les 100 heures d'opération. Si le tracteur opère dans l'eau ou dans la boue, faites le changement d'huile plus souvent.

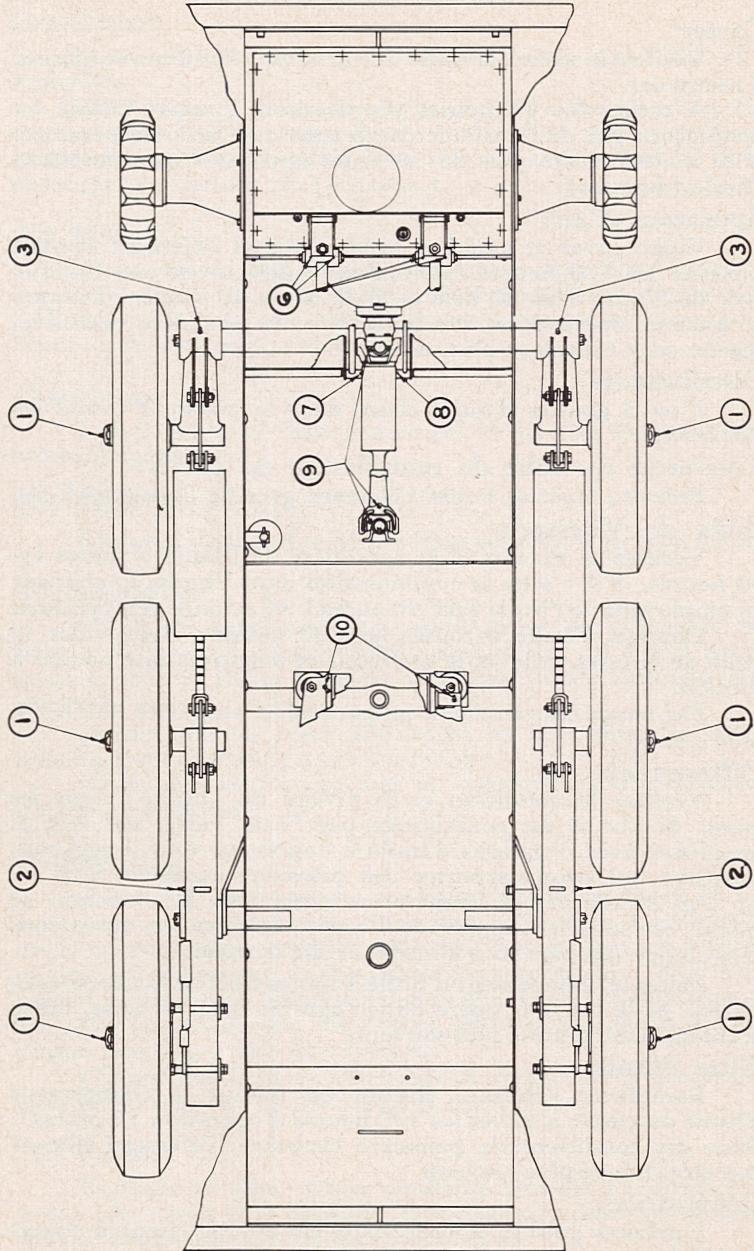
Filtre d'huile:

Remplacez l'élément filtrant en faisant le changement d'huile du carter à toutes les 100 heures d'opération (5 pintes). Dans des conditions de poussière excessive, l'élément filtrant doit être changé plus souvent.

Génératrice:

Quelques gouttes d'huile dans chaque graisseur à toutes les 100 heures.

LUBRIFICATION CHART
GRAPHIQUE DE LUBRIFICATION



LUBRICATION SCHEDULE

CÉDULE DE LUBRIFICATION

Recommended Lubricant :

It is most important to use such greases that do not mix with water and will retain texture and viscosity at operating temperatures varying from -65° to $+150^{\circ}$ FAR. (Consult your supplier.)

Graisse recommandée :

Il est important de n'utiliser que les graisses qui ne se mêlent pas à l'eau et qui maintiennent leur consistance et leur viscosité sous des températures variant de -65° à $+150^{\circ}$ FAR. (Consultez votre fournisseur.)

1 Wheel bearings:	Lubricate with grease gun
Coussinets de roues:	Lubrifiez avec fusil graisseur
2 Tandem axle:	Twice a week when working on firm ground or snow
Essieux tandem:	Deux fois par semaine sur terre ferme ou dans la neige
3 Bogie spindle:	Once a day when working in mud or water
Essieu coudé:	Une fois par jour dans l'eau ou dans la boue
6 Steering & Brake levers:	At lower end, a few drops of oil
Leviers de conduite:	Au bas des leviers, quelques gouttes d'huile
7 Clutch pedal:	Remove drive shaft cover and put a few drops of oil each side of clutch shaft
Pédale d'embrayage:	
8 Throttle pedal:	Enlevez l'enveloppe de l'arbre de commande et mettez quelques gouttes d'huile sur l'arbre de la pédale
Pédale de l'accélérateur:	
9 Propeller shaft U-joint:	With grease gun
Cardan de l'arbre de commande:	Once a month
	Avec fusil graisseur
	Une fois par mois
10 Clutch release fork:	With grease gun
Fourchette d'embrayage:	Once a year
	Avec fusil graisseur
	Une fois par année

Once a month
Une fois par mois

PROTECTING TRACTOR ENGINE DURING STORAGE

The recommended procedure for rust preventive treatment when the tractor is not operated during 30 days or more is outlined below:

- 1 — Remove carburetor air cleaner.
- 2 — Run engine at a fast idle speed until normal operating temperature has been reached. While engine is running, slowly pour one pint of rust preventive lubricant through the carburetor air intake. The speed of pouring should be sufficient to slow down the engine speed slightly without stalling. The addition of rust preventive lubricant in this manner should take approximately one minute.
- 3 — Provide adequate ventilation while introducing the rust preventive, as considerable smoke will be exhausted.
- 4 — Stop the engine after the rust preventive has been added.

METHOD OF DRAINING ENGINE AND RADIATOR

- 1 — Install a flexible plastic or rubber hose on the engine drain cock. This hose should have a maximum inside diameter of $\frac{1}{2}$ inch and should be 4 feet long.
- 2 — From the drain cock, this hose should pass over the mudguard and the end should come down below the level of the drain cock, so that it will act as a siphon to drain the engine block completely.

Memo: _____

SOIN DU MOTEUR DES TRACTEURS DURANT ENTREPOSAGE PROLONGÉ

Voici la procédure recommandée pour éviter la formation de rouille à l'intérieur du moteur lorsque le tracteur n'est pas opéré pour une période excédant 30 jours.

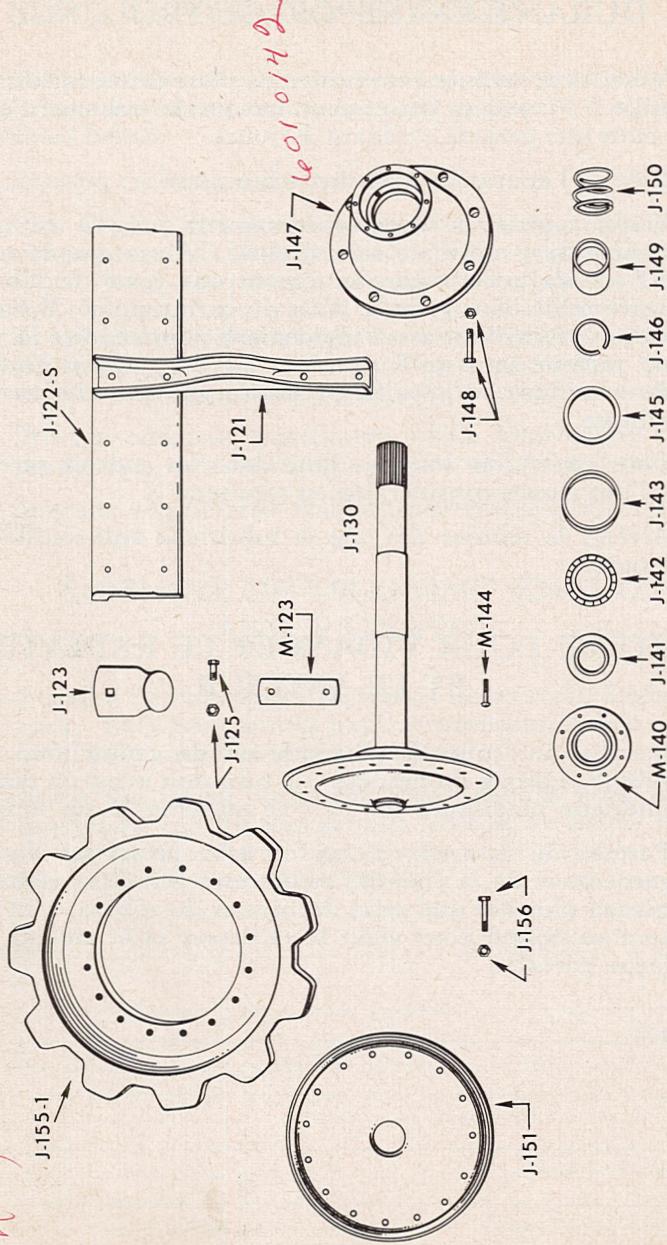
- 1 — Enlevez l'épurateur d'air du carburateur.
- 2 — Faites tourner le moteur lentement jusqu'à ce qu'une température normale soit atteinte. Alors que le moteur est en opération, videz lentement une pinte de lubrifiant anti-rouille dans la prise d'air du carburateur. Il s'agit de vider le lubrifiant assez rapidement pour réduire la vitesse du moteur sans qu'il s'arrête. De cette façon l'addition du lubrifiant anti-rouille prendra approximativement une minute.
- 3 — Cette opération doit être faite dans un endroit aéré puisqu'une fumée considérable en résultera.
- 4 — Arrêtez le moteur dès que le lubrifiant anti-rouille a été ajouté.

SYSTÈME POUR VIDANGER LE RADIATEUR ET LE MOTEUR

- 1 — Installez un tube de plastique ou de caoutchouc sur le robinet à droite du moteur. Ce tube doit avoir un diamètre intérieur maximum de $1\frac{1}{2}$ " et mesurer 4' de longueur.
- 2 — Partant de la sortie d'eau, ce tube passe par dessus le garde-boue de la chenille et descend vers l'extérieur à un niveau plus bas que celui du niveau du robinet afin d'agir comme siphon pour vider le radiateur et le moteur d'une façon parfaite.

Memo: _____

TRACK & DRIVE



Ames

TRACK & DRIVE

TRACK	Qty per Unit		Qty per Unit J-5 SW
	J-5	SW	
SW-120-A Track assy	2		J-142 Axle bearing cone
J-120-A Track assy	2		J-143 Axle bearing cup
SW-121-A Track cross link	112		M-144 Axle bearing cap bolt
J-121-A Track cross link	112		J-145 Axle bearing shim .003
J-122-S Track belt	4		J-145-A Axle bearing shim .005
SW-122 Track belt	4		J-145-B Axle bearing shim .010
J-123-A Track guard	224	224	J-146 Axle bearing lock
J-125 Track bolt and nut	448	448	J-147 Drive axle housing
• 23 •			J-147-A Drive axle housing gasket
DRIVE			J-148 Drive axle housing bolt & washer ⁵ 12
J-130 Axe & flange assy	2		J-149 Axle bearing lock sleeve
SW-130 Axe & flange assy	2		J-150 Axle bearing sleeve spring
M-140 Axe bearing cap	2	2	J-151 Drive sprocket flange
J-141 Axe bearing seal	4	4	SW-151 Drive sprocket flange
			J-155 Drive sprocket
			J-155-1 Drive sprocket heavy duty 38 X 13/8 ² 32
			J-156 Drive sprocket bolt & nut 38 X 13/8 ² 32

DRAFTS OF DRAWINGS
NOTES AND SPECIFICATIONS

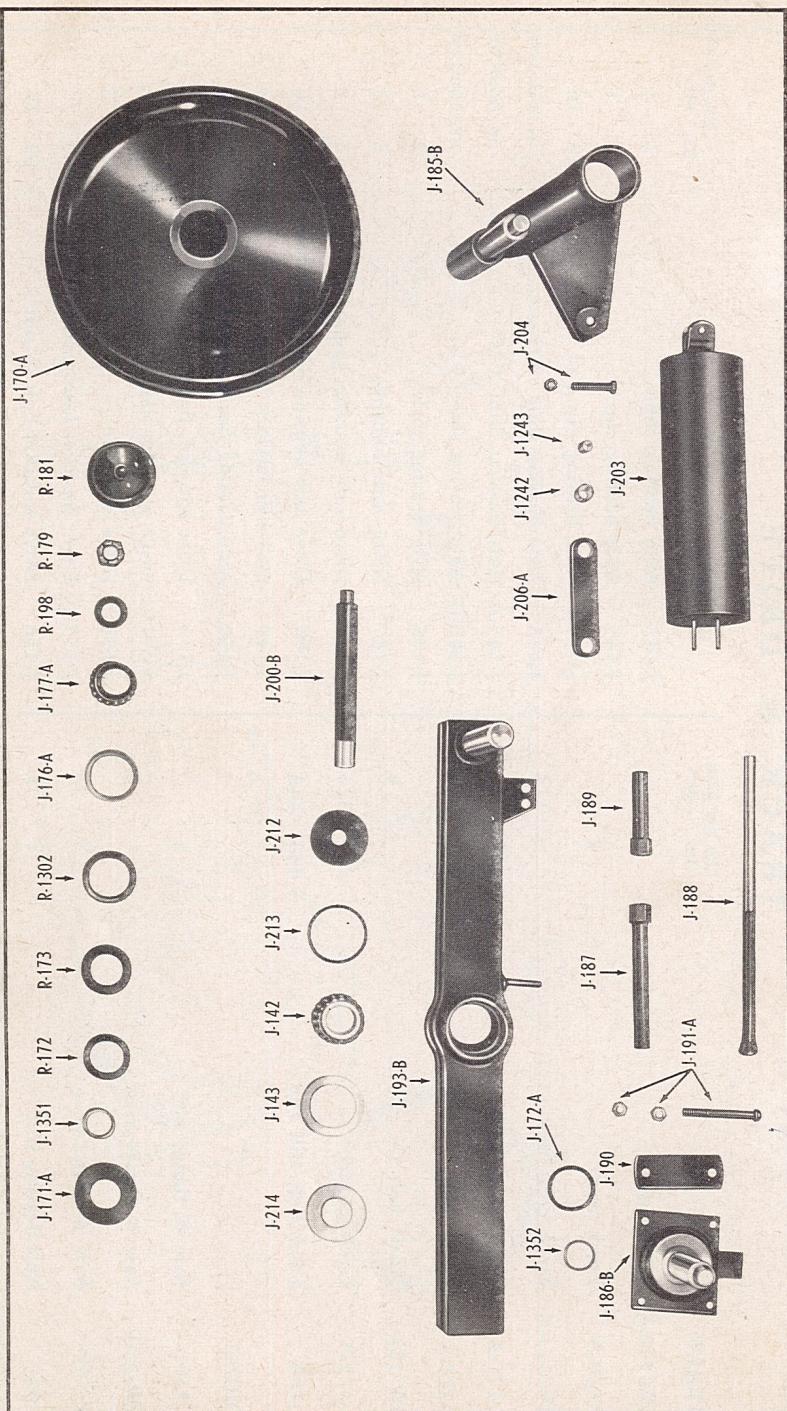
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	Qty per Unit		Qty per Unit	
	J-5	SW	J-5	SW
TRACK				
SW-120-A	Track assy	2	J-142	Axle bearing cone
J-120-A	Track assy	2	J-143	Axle bearing cup
SW-121-A	Track cross link	112	M-144	Axle bearing cap bolt
J-121-A	Track cross link	112	J-145	Axle bearing shim .003
J-122-S	Track belt	4	J-145A	Axle bearing shim .005
SW-122	Track belt	4	J-145B	Axle bearing shim .010
J-123-A	Track guard	224	J-146	Axle bearing lock
J-125	Track bolt and nut	448	J-147	Drive axle housing
DRIVE				
J-130	Axle & flange assy	2	J-147-A	Drive axle housing gasket
SW-130	Axle & flange assy	2	J-148	Drive axle housing bolt & washer
M-140	Axle bearing cap	2	J-149	Axle bearing lock sleeve
J-141	Axle bearing seal	4	J-150	Axle bearing sleeve spring
			J-151	Drive sprocket flange
			SW-151	Drive sprocket flange
			J-155	Drive sprocket
			J-155-1	Drive sprocket heavy duty
			J-156	Drive sprocket bolt & nut

Starting at serial no. 4060 the following parts were changed on the J-5 tractor.
 A partir du numéro de série 4060 les pièces suivantes ont changé sur le tracteur J-5.

Old part no. TRA	New part no. Ancien no. Nouveau no.	Name Nom	as required as required as required
SW. J-130	J-130-A	Axle and flange assembly	
J-147	J-147-B	Drive axle housing	
J-121			
SW-121-A	Track cross link	112	J-145 Axle bearing shim .003
J-121-A	Track cross link	112	J-145-A Axle bearing shim .005
J-122-S	Track belt	4	J-145-B Axle bearing shim .010
SW-122	Track belt	4	J-146 Axle bearing lock
J-123-A	Track guard	224	J-147 Drive axle housing
J-125	Track bolt and nut	448	J-147-A Drive axle housing gasket
DRIVE			J-148 Drive axle housing bolt & washer
J-130	Axle & flange assy	2	J-149 Axle bearing lock sleeve
SW-130	Axle & flange assy	2	J-150 Axle bearing sleeve spring
M-140	Axle bearing cap	2	J-151 Drive sprocket flange
J-141	Axle bearing seal	4	SW-151 Drive sprocket flange
			J-155 Drive sprocket
			J-155-1 Drive sprocket heavy duty
			J-156 Drive sprocket bolt & nut

WHEEL & SUSPENSION



Starting at serial no. 4060 the following parts were changed on the J-5 tractor.
 A partir du numéro de série 4060 les pièces suivantes ont changé sur le tracteur J-5.

Old part no.	New part no.	Name	
W.I.	Ancien no.	Nouveau no.	Nom
Part	J-208-A	Cross shaft	
J-1	R-212	Grease retainer outer	
J-1	J-179	Cross shaft nut	
R-1			
J-172-A	Wheel mud excluder rubber (rear spindle only)	2	J-193B Tandem axle LH
R-173	Wheel seal	6	J-200-B Replaceable spindle
R-1302	Wheel seal support	6	J-1351 Wheel spacer
J-176-A	Wheel cup	12	J-1352 Wheel spacer rear spindle only
J-177-A	Wheel cone	12	J-142 Cross shaft bearing cone
R-198	Spindle washer	6	J-143 Cross shaft bearing cup
R-179	Spindle nut	6	J-212 Grease retainer outer
R-180	Spindle nut cotter pin	6	J-213 Grease retainer seal
R-181	Wheel cap & fitting	6	J-214 Grease retainer inner
J-182	Wheel tire	6	J-179 Cross shaft nut
J-183	Wheel tube	6	J-1942 Cross shaft nut cotter pin
SW-183	Wheel tube	6	J-203 Bogie spring
SUSPENSION			J-204 Suspension spring link bolt & nut
J-184-B	Bogie spindle RH	1	J-206-A Suspension spring link assy
J-185-B	Bogie Spindle LH	1	J-1242 Suspension spring link bushing large
J-186-B	Rear spindle assy	2	J-1243 Suspension spring link bushing small
J-187	Adj. screw nut & tube	2	J-208-7 Rear cross shaft
J-188	Adj. screw	2	SW-208 Front & rear cross shaft
		2	J-201 Tandem & bogie bearing shim

5 / 31

disa to my bogie spring

Starting at serial no. 4060 the following part were changed on the J-5 tractor.
 A partir du numéro de série 4060 les pièces suivantes ont changé sur le tracteur J-5.

Old part no.	New part no.	Name	
WI	Ancien no.	Nouveau no.	Nom
Part	J-208-7	J-208-A	Cross shaft
J-1	J-212	R-212	Grease retainer outer
J-1	J-179	R-179	Cross shaft nut
R-176-A	Wheel mud excluder rubber (rear spindle only)	2	J-193B Tandem axle LH
R-173	Wheel seal	6	J-200-B Replaceable spindle
R-1302	Wheel seal support	6	J-1351 Wheel spacer
J-176-A	Wheel cup	12	J-1352 Wheel spacer rear spindle only
J-177-A	Wheel cone	12	J-142 Cross shaft bearing cone
R-198	Spindle washer	6	J-143 Cross shaft bearing cup
R-179	Spindle nut	6	J-212 Grease retainer outer
R-180	Spindle nut cotter pin	6	J-213 Grease retainer seal
R-181	Wheel cap & fitting	6	J-214 Grease retainer inner
J-182	Wheel tire	6	J-179 Cross shaft nut
J-183	Wheel tube	6	J-1942 Cross shaft nut cotter pin
SW.183	Wheel tube	6	J-203 Bogie spring
SUSPENSION			J-204 Suspension spring link bolt & nut
J-184-B	Bogie spindle RH	1	J-206-A Suspension spring link assy
J-185-B	Bogie Spindle LH	1	J-1242 Suspension spring link bushing large
J-186-B	Rear spindle assy	2	J-1243 Suspension spring link bushing small
J-187	Adj. screw nut & tube	2	J-208-7 Rear cross shaft
J-188	Adj. screw	2	SW-208 Front & rear cross shaft
			J-201 Tandem & bogie bearing shim
			as required

J-1351 *disc & lug bogie spring*

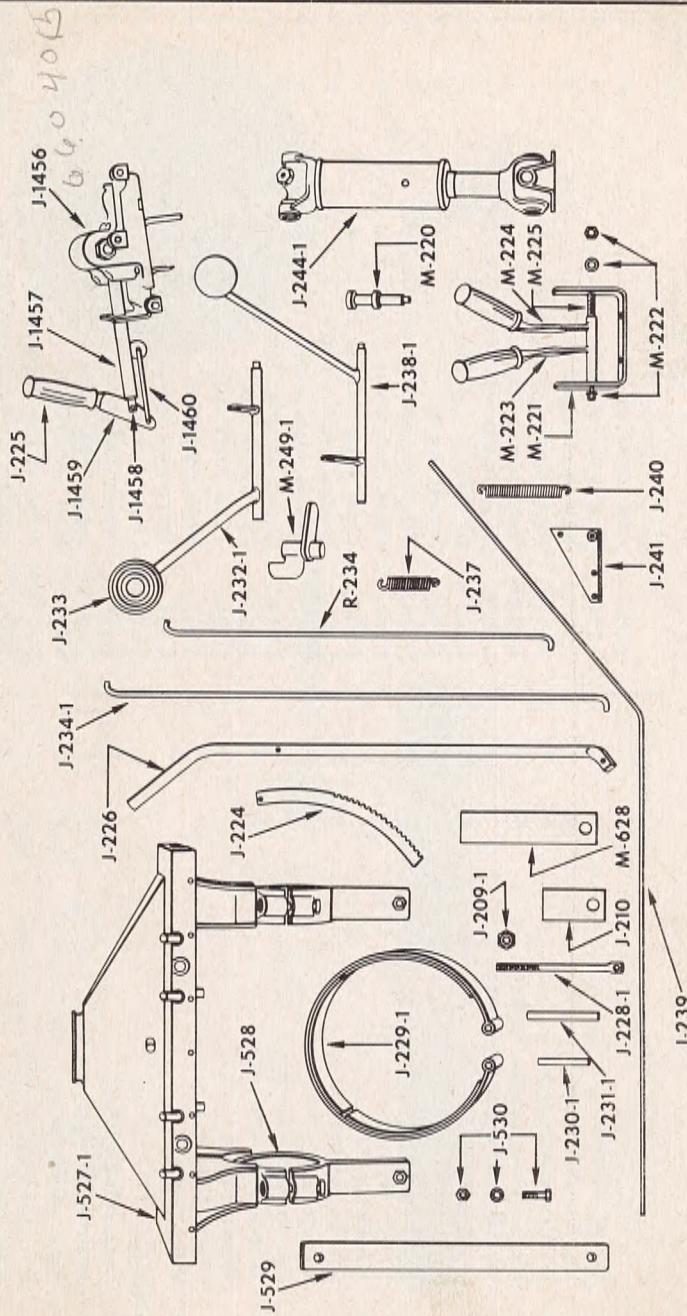
WHEEL & SUSPENSION

WHEEL		Part No.		Part Name		Part No.		Part Name		Quantity J-5 SW	
J-170-A	Wheel assembly			6	6	J-189		Adj. screw lock nut		2	2
J-1350	Valve protector cap			6	6	J-190		Rear spindle plate		4	4
J-171-A	Wheel mud excluder			6	6	J-190-A		Rear spindle bolt		8	
R-172	Wheel mud excluder rubber			4	4	SW-191		Rear spindle bolt & nuts		8	
J-172-A	Wheel mud excluder rubber (rear spindle only)			2	2	J-192-B		Tandem axle RH		1	1
R-173	Wheel seal			6	6	J-193B		Tandem axle LH		1	1
R-1302	Wheel seal support			6	6	J-200-B		Replaceable spindle		6	6
J-176-A	Wheel cup			12	12	J-1351		Wheel spacer		4	4
J-177-A	Wheel cone			12	12	J-1352		Wheel spacer rear spindle only		2	2
R-198	Spindle washer			6	6	J-142		Cross shaft bearing cone		8	8
R-179	Spindle nut			6	6	J-143		Cross shaft bearing cup		8	
R-180	Spindle nut cotter pin			6	6	J-212		Grease retainer outer		4	4
R-181	Wheel cap & fitting			6	6	J-213		Grease retainer seal		8	8
J-182	Wheel tire			6	6	J-214		Grease retainer inner		4	4
J-183	Wheel tube			6	6	J-179		Cross shaft nut		4	4
SW-183	Wheel tube			6	6	J-1942		Cross shaft nut cotter pin		4	4
						J-203		Bogie spring		2	2
						J-204		Suspension spring link bolt & nut		8	8
						J-206-A		Suspension spring link assy		4	4
J-184-B	Bogie spindle RH			1	1	J-1242		Suspension spring link bushing large		8	8
J-185-B	Bogie Spindle LH			1	1	J-1243		Suspension spring link bushing small		8	8
J-186-B	Rear spindle assy			2	2	J-208-7		Rear cross shaft		1	
J-187	Adj. screw nut & tube			2	2	SW-208		Front & rear cross shaft		2	
J-188	Adj. screw			2	2	J-201		Tandem & bogie bearing shim		as required	

5/1301 this is big bogie spring

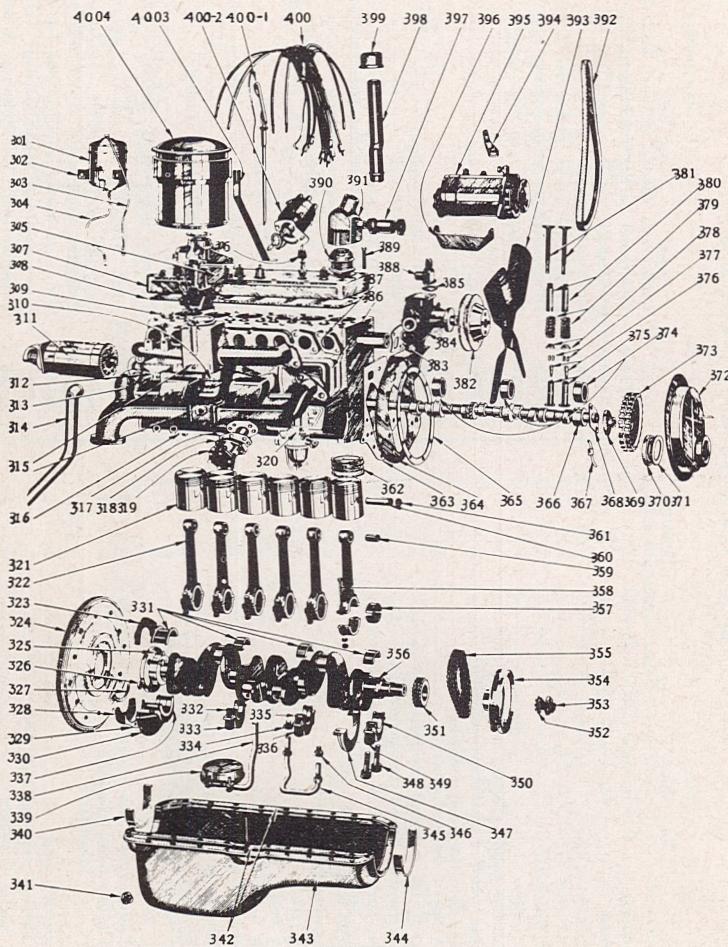
CONTROL PARTS

6040077 & 80
series



CONTROL PARTS

TRANSMISSION Part No.	Part name	Part No.	Part name	
			Quantity J-5 SW	Quantity J-5 SW
J-1456	Gearshift housing	J-530	Differential carrier stiffener bolt, lockwasher & nut	2 2
J-1457	Shifter housing	J-531-A	Differential carrier assembling bolt & lockwasher	16 16
J-1458	Shifter rod	J-532-A	Differential carrier gasket set	1 1
J-1451	Shifter rod O ring	J-521	Differential cover	1 1
J-1459	Shifter lever assembly	J-522-A	Differential cover gasket set	1 1
J-1460	Shifter lever rod	J-523	Differential cover assembling bolt	24 24
M-220	Selector extension (with 4 Speed transmission)	J-524	Filler plug	1 1
M-221	Shifter bracket (with 4 Speed transmission)	J-525	Oil level gauge	1 1
M-222	Shifter bracket bolt, flat washer & nut (with 4 Speed transmission)	J-526	Drain plug	1 1
M-223	Reverse lever (with 4 Speed transmission)	CLUTCH	Clutch	1 1
M-224	Forward lever (with 4 Speed transmission)	J-232-1	Clutch pedal	1 1
M-225	Forward lever spring (with 4 Speed transmission)	J-233	Clutch pedal pad	1 1
STEERING & BRAKE LEVER		J-234-2	Clutch rod	1 1
J-224	Brake lever sector (parking brake)	J-236	Clutch pedal bolt, nut & washer	1 1
J-225	Lever handle grip	J-237	Clutch rod return spring	1 1
J-226	Steering and brake lever	J-237-1	Clutch rod return spring bracket	1 1
J-227-A	Steering and brake lever bolt	M-249-1	Clutch release fork lever	1 1
J-228-1	Steering and brake yoke	THROTTLE	Throttle	1 1
J-209-1	Steering and brake lever adjusting nut	J-238-1	Throttle pedal	1 1
J-210	Steering lever plate	J-239	Throttle pedal rod	1 1
J-229-1	Steering and brake band and lining assembly	J-240	Throttle rod return spring	1 1
J-211-A	Brake lining & rivets (set)	J-241	Throttle lever	1 1
J-230-1	Steering and brake band pin short	J-243	Throttle lever swivel	1 1
J-231-1	Steering and brake band pin long	PROPELLER SHAFT	Propeller shaft assembly	1 1
DIFFERENTIAL		J-244-1	Propeller shaft assy (used with 4 speed transmission)	1 1
J-527-1	Differential carrier assy	M-244	Propeller shaft assy (used with 4 speed transmission)	1 1
J-528	Differential bearing adjuster lock bolt	J-245	Universal joint repair package (at transmission)	1 1
J-529	Differential carrier Stiffener	M-245	Universal joint repair package (at differential)	1 1
		J-246	Propeller shaft "U" bolt, nut & washer	4 4

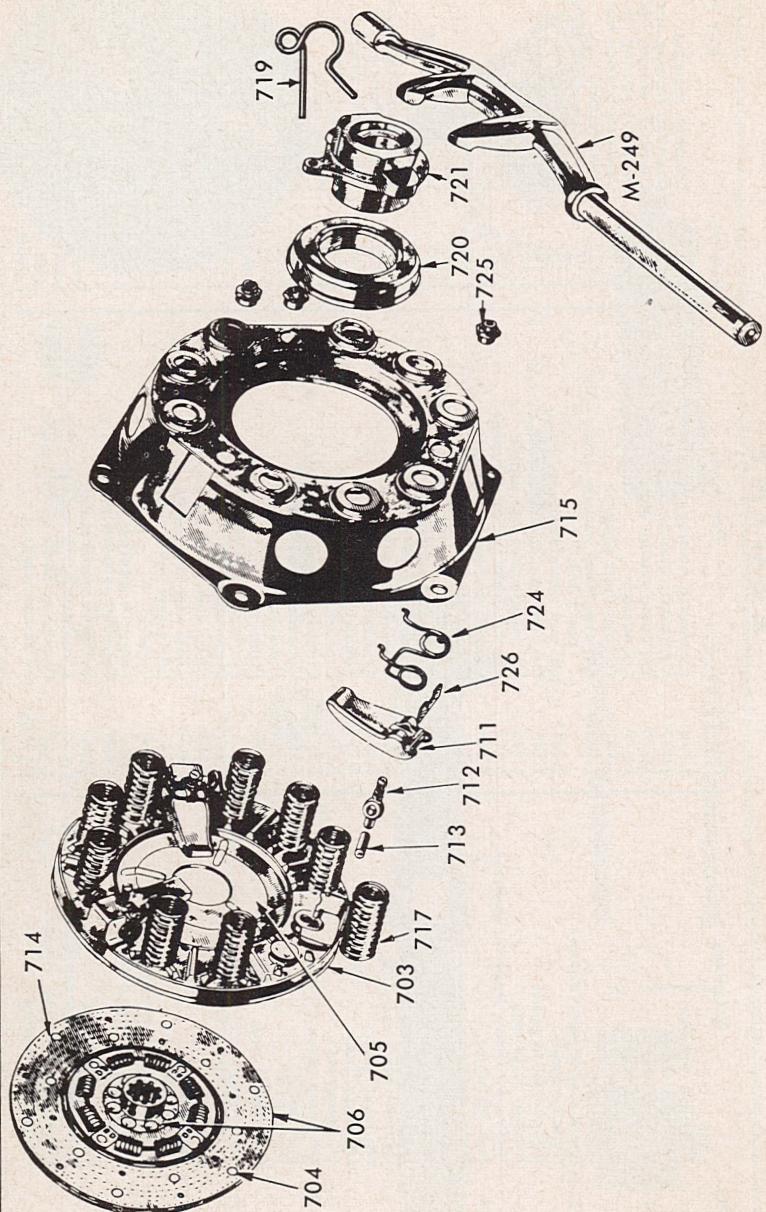


ENGINE

E N G I N E

Part No.	Part name	Part No.	Part name	Part Name
J-301.1	Oil filter cartridge	J-336	Crankshaft bearing cap No. 2	J-373-A Camshaft sprocket
J-302	Oil filter clamp	J-337	Crankshaft bearing No. 4	J-374 Camshaft bearing assembly
J-302.1	Oil filter strap	J-338	Oil pump suction pipe	J-374.1 Camshaft bearing No. 1
J-303	Oil filter tube	J-339	Oil strainer	J-374.2 Camshaft bearing No. 2
J-305	Carburetor	J-341	Oil pan drain plug	J-374.3 Camshaft bearing No. 3
J-306	Spark plug	J-342	Oil pan gasket package (incl. J-340 and J-344)	J-375 Valve tappets
J-306.1	Spark plug nipple (rubber)	J-343	Oil pan assembly	J-376 Valve tappets adjusting screw
J-307	Cylinder head	J-345	Oil pump outlet pipe	J-377 Valve spring retainer lock
J-308	Cylinder head gasket	J-346	Oil pump outlet pipe nipple	J-378 Valve spring retainer
J-309	Exhaust valve seat	J-347	Oil pan front end oil seal plate	J-379 Valve spring
J-310	Intake to exhaust manifold gasket	J-348	Crankshaft bearing cap screw	J-380 Valve guide
J-311-A	Starting motor	J-349	Crankshaft bearing cap No. 1	J-381-A Exhaust valve
J-312	Valve spring cover	J-350	Crankshaft bearing Nos. 1, 2 & 3	J-381.1 Intake valve
J-313	Valve spring cover stud	J-351-A	Crankshaft sprocket	J-382 Fan pulley
J-314	Crankcase vent pipe	J-352-A	Crankshaft lock washer	J-383 Water pump gasket
J-315	Intake and exhaust manifold	J-353-A	Crankshaft screw	J-384 Water pump
J-316	Cylinder block assembly	J-354	Crankshaft pulley	J-384.1 Water pump repair package
J-317	Oil pump gasket	J-355-A	Timing chain	J-385 By-pass elbow gasket
J-318	Oil pump body	J-356-A	Crankshaft	J-386 Valve cover gasket
J-318.1	Oil pump ass'y	J-357	Connecting rod bearing (for 1 rod)	J-387 Manifold gasket
J-319	Oil pump cover	J-358	Connecting rod bolt	J-388 By-pass elbow
J-320	Fuel pump	J-359	Connecting rod bushing	J-389 Cylinder head stud
J-321	Pistons	J-360	Piston pin	J-390 Thermostat 180°
J-322	Connecting rods	J-361	Piston pin lock ring	J-391 Water outlet elbow
J-323-A	Rear bearing seal assembly (incl. J-327, J-328 and J-329)	J-362	Piston ring set	J-392 Fan belt
J-324	Flywheel	J-363	Chain case cover plate gasket	J-393 Fan
J-325	Flywheel bolt	J-364	Chain case cover plate	J-394 Generator adjusting strap
J-326	Flywheel bolt nut	J-365	Chain case cover gasket	J-395-A Generator
J-330	Crankshaft rear bearing cap	J-366	Camshaft	J-396 Generator bracket
J-331	Crankshaft bearing package (for all journals)	J-367	sprocket oil tube	J-397 By-pass elbow hose
J-332	Crankshaft bearing	J-368	Camshaft sprocket thrust plate	J-398 Oil filler pipe
J-333	Crankshaft bearing cap No. 3	J-369	Camshaft sprocket hub	J-399 Oil filler cap
J-334	Oil pump outlet pipe nipple	J-370	Chain case cover oil seal	J-400-1 Oil level indicator
J-335	Crankshaft bearing	J-371	Chain case cover oil seal gasket	J-400-2 Distributor
		J-372-A	Chain case cover	J-400-3A Ignition coil
				J-400-4 Carburetor air cleaner
				J-400-5 Air cleaner hose (flexible)

CLUTCH

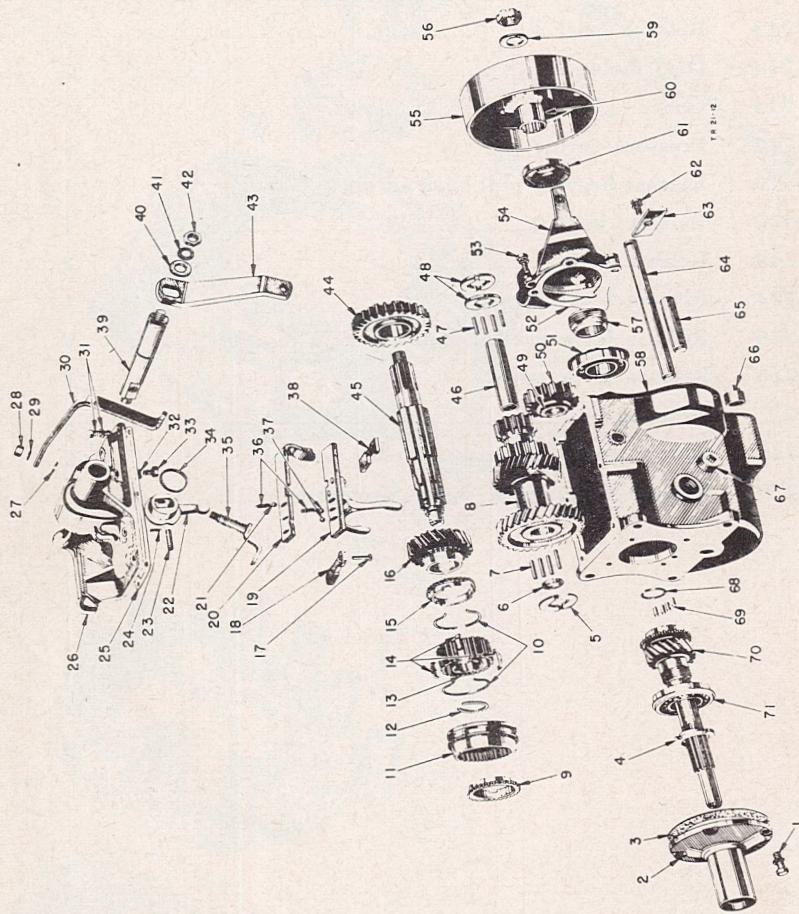


EXPLODED VIEW

C L U T C H

S-701	Housing assembly	1	1
M-703	Pressure plate	1	1
J-704	Disc facing rivets	24	24
S-706	Disc assembly	1	1
M-711	Release lever	3	3
M-712	Release lever eye bolt	3	3
M-713	Release lever pin	3	3
M-714	Disc facing	2	2
M-715	Cover	1	1
M-717	Pressure spring	9	9
M-719	Release bearing pull back spring	1	1
M-720	Release bearing	1	1
M-249	Release fork	1	1
M-724	Release lever spring	1	1
M-725	Release lever eye bolt nut	3	3
M-726	Release lever strut	3	3
S-727	Housing pan	1	1
M-728	Clutch cover & pressure plate assembly	1	1
M-729	Release bearing & sleeve assembly	1	1

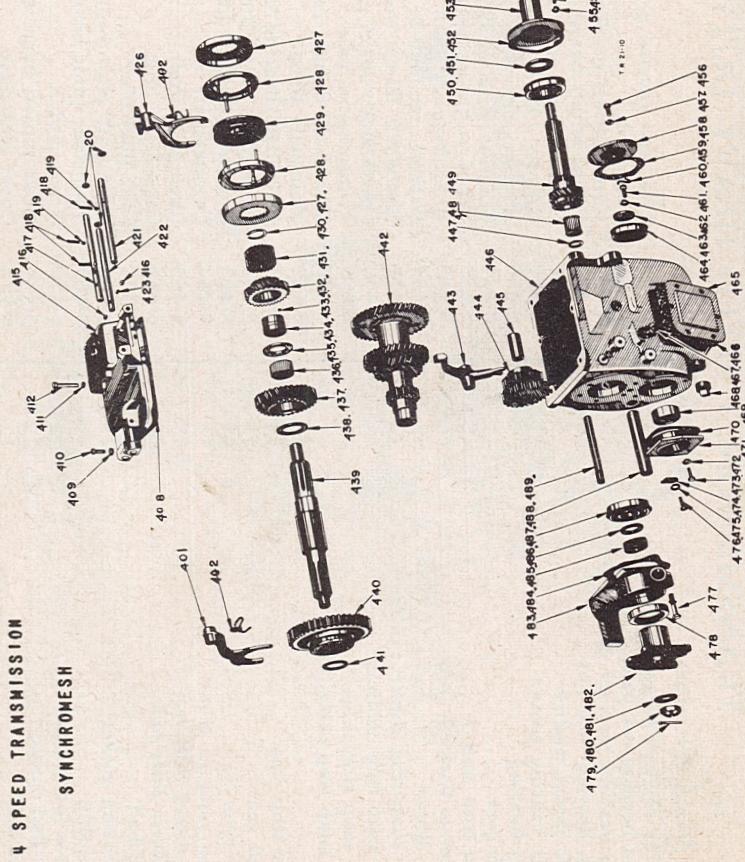
TRANSMISSION 3 SPEED H.D.



TRANSMISSION 3 SPEED HEAVY DUTY

Part No.	Part name	Ref. No.	Part No.	Part name	Ref. No.	Part No.	Part name	Ref. No.
S-401	Pinion bearing retainer screw & washer	1	S-444	First and reverse gear	44			
S-402	Drive pinion bearing retainer	2	S-445	Mainshaft	45			
S-403	Drive pinon bearing retainer gasket	3	S-446	Countershaft bearing spacer	46			
S-404	Drive pinion bearing lock nut	4	S-447	Countershaft bearing	47			
S-405	Countershaft thrust washer	5	S-448	Countershaft end washers	48			
S-406	Countershaft bearing spacer	6	S-449	Reverse idler gear bushing	49			
S-407	Countershaft bearing	7	S-450	Reverse idler gear	50			
S-408	Countershaft gear	8	S-451	Mainshaft bearing rear	51			
S-409	Synchronizer stop ring	9	S-452	Brake support gasket	52			
S-410	Spring and plate package	10 & 14	S-453	Brake support screw	53			
S-411	Clutch gear sleeve	11	S-454	Bearing retainer	54			
S-412	Clutch gear snap ring thin	12	S-456	Mainshaft flange nut	56			
S-412-1	Clutch gear snap ring medium		S-457	Speedometer drive gear	57			
S-412-2	Clutch gear snap ring thick		S-458	Transmission case	58			
S-412-3	Clutch gear snap ring extra thick		S-459	Mainshaft flange nut washer	59			
S-413	Clutch gear	13	S-460	Mainshaft flange	60			
S-415	Synchronizer stop ring	15	S-461	Mainshaft bearing oil seal	61			
S-416	Second speed gear	16	S-462	Lock plate screw and washer	62			
S-417	Rail retainer rivet	17	S-463	Countershaft and idler shaft lock plate	63			
S-418	Gearshift rail retainer front	18	S-464	Countershaft	64			
S-419	Second and direct shift rail	19	S-465	Idler gear shaft	65			
S-420	First and reverse shift rail	20	S-466	Case drain plug	66			
S-421	Rail selector ball	21	S-467	Case filler plug	67			
S-425	Gearshift housing gasket	25	S-468	Mainshaft pilot bearing snap ring	68			
J-1456	Gearshift housing	26	S-469	Mainshaft pilot bearing rollers	69			
S-431	Housing screw lockwasher	31	S-470	Drive pinion	70			
S-436	Rail selector ball spring	36	S-471	Drive pinion bearing	71			
S-437	Rail interlock ball	37	S-472	Cover lock plate				
S-438	Gearshift rail retainer rear	38	S-473	Transmission gasket set				

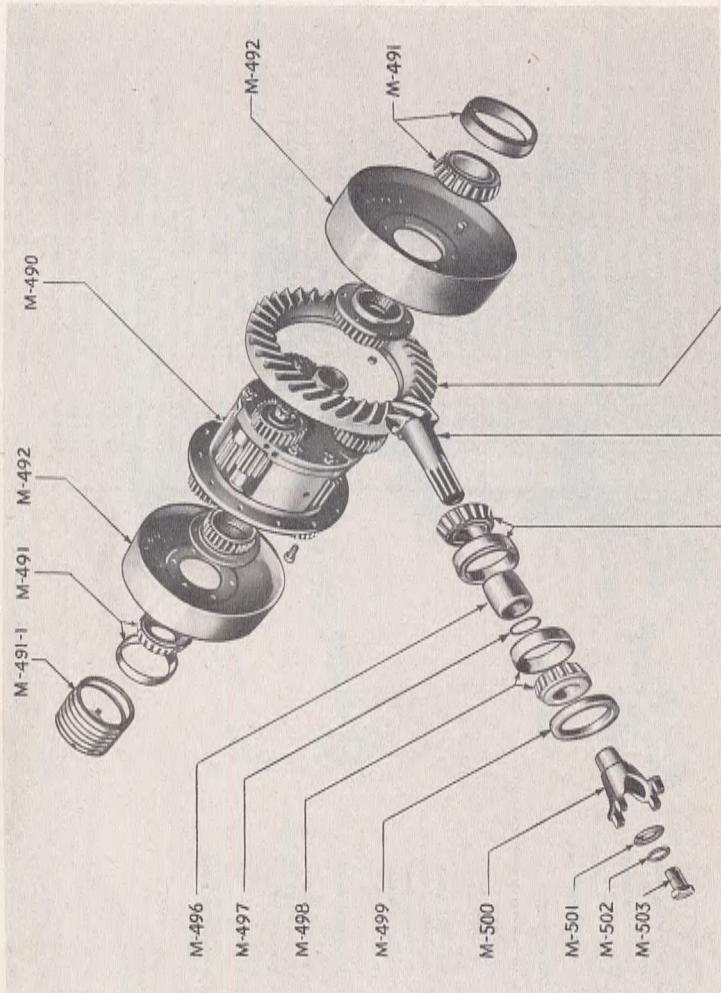
TRANSMISSION 4 Speed SYNCHROMESH



TRANSMISSION 4 Speed SYNCHROMESH

Part No.	Part Name	Part No.	Part Name
M-401	First and second shift fork	M-451	Pinion bearing retainer nut
M-408	Case cover gasket	M-452	Pinion bearing retainer gasket
M-409	Case cover screw lockwasher	M-453-A	Pinion bearing retainer
M-410	Case cover screw (short)	M-454	Bearing retainer screw
M-411	Case cover screw lockwasher	M-455	Retainer screw lockwasher
M-412	Case cover screw (long)	M-456	Countershaft front bearing retainer screw
M-415	Gearshift case cover	M-457	Retainer screw lockwasher
M-416	Rail and interlock plunger	M-458	Countershaft front bearing retainer
M-417	Reverse rail	M-459	Bearing retainer gasket
M-418	Rail poppet ball spring	M-460	Retainer washer screw lockwire
M-419	Rail poppet ball	M-461	Retainer wash screw
M-420	Rail hole plug	M-462	Retainer washer screw lockwasher
M-421	Low and second rail	M-463	Bearing retainer washer
M-422	Third and direct rail	M-464	Countershaft front bearing
M-423	Rail interlock pin	M-465	Power take-off cover
M-426	Third and fourth shift fork	M-466	Take-off cover gasket
M-427	Synchronizer stop ring (outer)	M-467	Case filter plug
M-428	Synchronizer stop ring (ass'y)	M-468	Case drain plug
M-429	Synchronizer sliding clutch	M-469	Countershaft rear bearing
M-430	Synchronizer snap ring	M-470	Rear bearing retainer gasket
M-431	Synchronizer clutch gear	M-471	Rear bearing retainer
M-432	Main shaft third speed gear	M-472	Retainer screw lock washer
M-433	Bushing retainer pin	M-473	Retainer screw
M-434	Third speed gear bushing	M-474	Idler gear shaft lock plate
M-435	Third speed gear locating washer	M-475	Lock plate screw lockwasher
M-436	Second speed gear rollers	M-476	Lock plate screw
M-437	Second speed gear	M-477	Rear bearing retainer screw & lockwasher
M-438	Gear locating washer	M-478	Rear bearing oil seal
M-439	Mainshaft	M-479	Flange nut cotter pin
M-440	Low and second sliding gear	M-480	Flange nut
M-441	Rear bearing shim	M-481	Flange nut washer
M-442	Countershaft	M-482	Transmission end flange
M-443	Reverse shift fork	M-483	Mainshaft rear bearing retainer
M-444	Reverse idler gear	M-484	Rear bearing retainer gasket
M-445	Idler gear bushing	M-485	Speedometer drive gear
M-446	Case	M-486	Drive gear spacer
M-447	Pilot bearing spacer	M-487	Main shaft rear bearing
M-448	Pilot bearing	M-488	Reverse idler gear shaft
M-449-A	Main drive pinion	M-489	Gear shift reverse fork rail
M-450	Drive pinion bearing		

RING GEAR, PINION, DIFFERENTIAL & BEARING

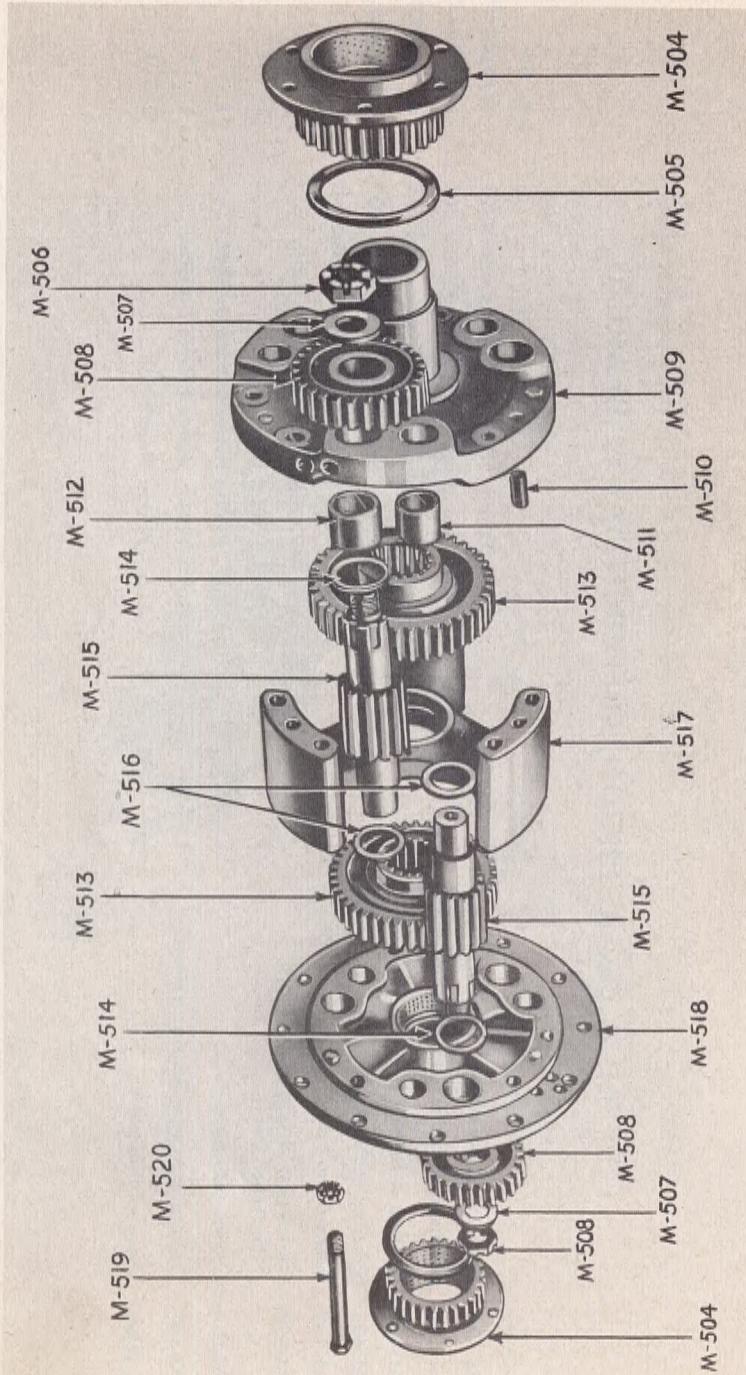


EXPLODED VIEW

RING GEAR, PINION, DIFFERENTIAL & BEARING

Part No.	Part Name	J-5	SW	Part No.	Part Name	J-5	SW
M-490	Differential Assembly	1	1	M-497	Pinion bearing adjusting shim	.003	...
M-491	Differential carrier bearing assembly	2	2	M-497-1	Pinion bearing adjusting shim	.005	...
M-491-1	Bearing adjuster	2	2	M-497-2	Pinion bearing adjusting shim	.010	...
M-492	Steering brake drum	2	2	M-497-3	Pinion bearing adjusting shim	.037	...
M-789	Brake drum bolt	12	12	M-498	Drive pinion front bearing assembly	1	1
M-493	Crown gear & pinion assembly (matched set)	1	1	M-499	Pinion gear housing oil seal	1	1
M-814	Crown gear bolt	12	12	M-500	Pinion flange	1	1
M-495	Drive pinion rear bearing assembly ..	1	1	M-501	Pinion flange locking washer	1	1
M-496	Drive pinion sleeve	1	1	M-502	Pinion flange bolt lockwasher	1	1
				M-503	Pinion flange bolt	1	1

DIFFERENTIAL ASSEMBLY



EXPLODED VIEW

DIFFERENTIAL ASSEMBLY

Part No.	Part Name	J-5	SW	Part No.	Part Name	J-5	SW
M-504	Brake drum gear	2	2	M-512	Differential pinion gear bushing (large)	6	6
M-504-1	Brake drum gear bushing	4	4	M-513	Axle to differential pinion gear	2	2
M-505	Brake drum gear thrust washer	2	2	M-514	Differential planetary thrust washer	6	6
M-506	Differential pinion nut (hex)	6	6	M-515	Differential pinion gear	6	6
M-507	Differential pinion washer	6	6	M-516	Differential pinion thrust washer	6	6
M-508	Differential planetary gear	6	6	M-517	Differential center (spacer)	1	1
M-509	Differential side case (right)	1	1	M-518	Differential case (left) (Crown gear carrier)	1	1
M-509-1	Differential center & side case bushing	3	3	M-519	Differential gear case bolt (hex)	6	6
M-510	Differential case dowel pin	6	6	M-520	Differential gear case bolt nut	6	6
M-511	Differential pinion gear bushing (small)	6	6				

Starting at serial no. 4060 the following parts were changed on the J-5 tractor. A partir du numéro de série 4060 les pièces suivantes ont changé sur le tracteur J-5.

Old part no. Ancien no.,	New part no. Nouveau no.,	Name Nom
J-552	J-552-A	Gas tank strap
J-563-A	M-563-A	Battery bracket
	R-1364	Battery guard
J-566-A	J-565-A	Battery cable
J-587	J-587-A	Metal hose 2"
J-588	J-588-A	Rubber hose
J-606	J-606-A	Seat ass'y
J-617	J-617-A	Engine side dc
J-618	J-618-A	Engine side dc

J-563-A	Battery bracket removable part	1	1
J-564	Wiring harness	1	1
J-565-A	Battery cable (to starter)	1	1
J-566-A	Battery cable negative	1	1
A-2715-12	Circuit breaker	1	1
J-1453	Circuit breaker bracket	1	1
J-570	Ignition switch	1	1
J-573	Ammeter	1	1
J-1327	Regulator for gauges	1	1
J-568-A	Windshield wiper ass'y	1	1
B-2735-12	Motor windshield wiper	1	1
J-569	Windshield wiper arm	1	1
J-571	Windshield wiper blade	1	1
J-572	Windshield wiper switch	1	1
M-669-A	Headlight	2	3
15120-A	Sealed beam	2	3
J-1454	Headlight seat	2	3
J-1455	Headlight seat rubber washer	2	3
B-2705	Headlight housing	2	3
B-2706	Headlight housing ring	2	3
A-2707	Headlight housing ring bolt & nut	2	3
A-4708	Headlight bolt nut & lockwasher	2	3
A-2713	Headlight switch	1	1
A-2720-A	Dash light bulb	2	2
J-575-A	Voltage regulator	1	1
J-576	Distributor point set	1	1
J-577	Distributor condenser	1	1
J-578	Distributor rotor	1	1
J-579	Distributor cap	1	1
J-580	Distributor wires	1	1
J-582	Starter switch	1	1

COOLING SYSTEM

J-581	Radiator	1	1
J-393	Radiator fan	1	1
J-392	Radiator fan belt	1	1
J-546-A	Radiator cap	1	1
J-551	Radiator filler neck insulator	1	1
J-585	Water outlet elbow	1	1
J-587	Radiator metal hose 2"	1	1
J-588	Radiator hose 2"	2	2
J-589	Radiator hose clamp 2"	4	4
J-590	Radiator metal hose 1 1/2"	1	1
J-591	Radiator hose 1 1/2" x 2" long	2	2
J-592	Radiator hose clamp 1 1/2"	4	4
J-593-A	Temperature gauge dash	1	1
J-594-A	Temperature gauge engine	1	1

ENGINE FUEL AND EXHAUST SYSTEM

Part No.	Part name	Quantity
		J-5 SW
J-540	Engine support kit complete	1 1
J-540-A	Engine support at fan	1 1
A-4310	Engine support at transmission	2 2
J-541	Muffler gasket	1 1
J-542	Muffler outlet pipe	1 1
J-543	Muffler bolt & nut	2 2
J-544	Muffler	1 1
J-545	Muffler outlet pipe spring	1 1
J-546	Fuel tank cap	1 1
J-547	Fuel tank outlet & elbow	1 1
J-548	Fuel line (tank to pump)	1 1
J-549	Fuel line to pump elbow	1 1
J-550	Fuel tank	1 1
J-551	Fuel tank filler neck insulator	1 1
J-557-A	Fuel gauge (dash)	1 1
J-558-A	Fuel gauge (tank)	1 1
J-559	Fuel gauge gasket	1 1
J-560-A	Oil gauge (dash)	1 1
J-561-A	Oil gauge (engine)	1 1
J-1363	Oil gauge extension tube	1 1
J-400-6	Carburetor air horn square base	1 1
R-1979	Carburetor over speed plate	1 1
J-1161	Hand choke kit	1 1
J-1161-1	Hand choke wire & button	1 1
J-1354	Crankcase ventilator tube	1 1
J-1355	Ventilator tube fitting	1 1

ELECTRICAL SYSTEM

A-2700-12	Battery	1
SW-562	Battery	1
J-563-A	Battery bracket removable part	1 1
J-564	Wiring harness	1 1
J-565-A	Battery cable (to starter)	1 1
J-566-A	Battery cable negative	1 1
A-2715-12	Circuit breaker	1 1
J-1453	Circuit breaker bracket	1 1
J-570	Ignition switch	1 1
J-573	Ammeter	1 1
J-1327	Regulator for gauges	1 1
J-568-A	Windshield wiper ass'y	1 1
B-2735-12	Motor windshield wiper	1 1
J-569	Windshield wiper arm	1 1
J-571	Windshield wiper blade	1 1
J-572	Windshield wiper switch	1 1
M-669-A	Headlight	2 3
15120-A	Sealed beam	2 3
J-1454	Headlight seat	2 3
J-1455	Headlight seat rubber washer	2 3
B-2705	Headlight housing	2 3
B-2706	Headlight housing ring	2 3
A-2707	Headlight housing ring bolt & nut	2 3
A-4708	Headlight bolt nut & lockwasher	2 3
A-2713	Headlight switch	1 1
A-2720-A	Dash light bulb	2 2
J-575-A	Voltage regulator	1 1
J-576	Distributor point set	1 1
J-577	Distributor condenser	1 1
J-578	Distributor rotor	1 1
J-579	Distributor cap	1 1
J-580	Distributor wires	1 1
J-582	Starter switch	1 1

COOLING SYSTEM

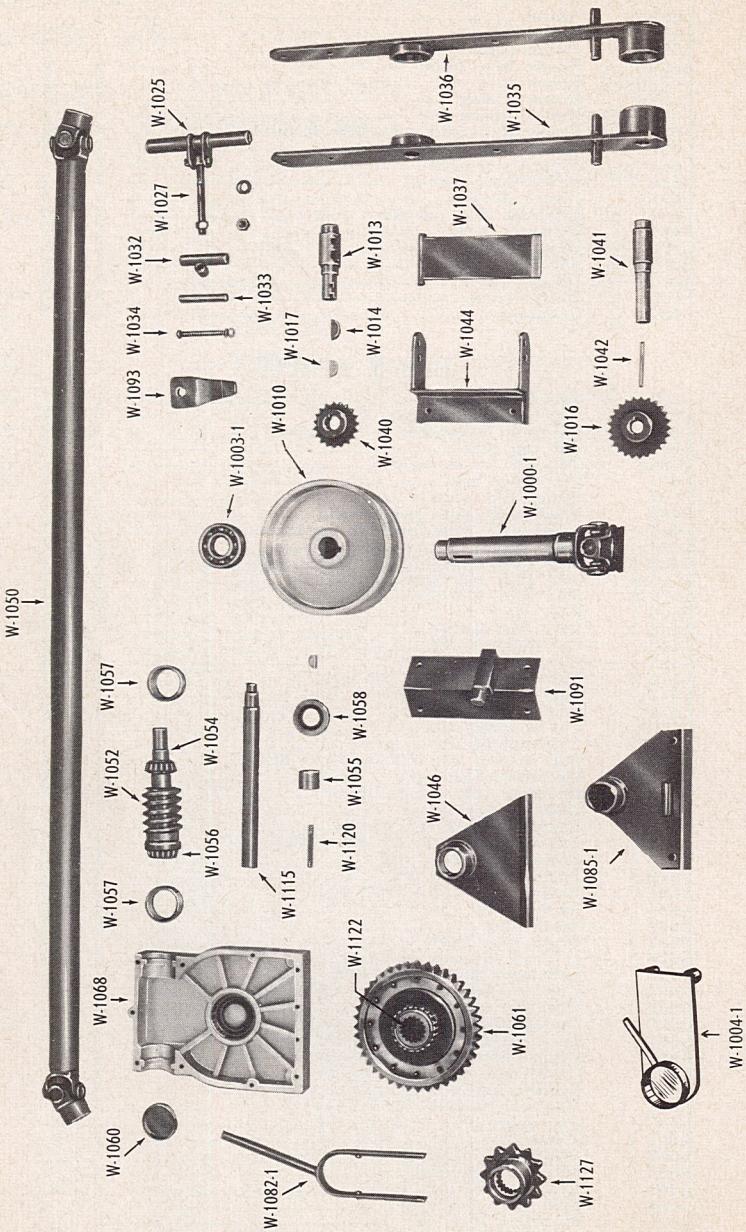
J-581	Radiator	1 1
J-393	Radiator fan	1 1
J-392	Radiator fan belt	1 1
J-546-A	Radiator cap	1 1
J-551	Radiator filler neck insulator	1 1
J-585	Water outlet elbow	1 1
J-587	Radiator metal hose 2"	1 1
J-588	Radiator hose 2"	2 2
J-589	Radiator hose clamp 2"	4 4
J-590	Radiator metal hose 1 1/2"	1 1
J-591	Radiator hose 1 1/2" x 2" long	2 2
J-592	Radiator hose clamp 1 1/2"	4 4
J-593-A	Temperature gauge dash	1 1
J-594-A	Temperature gauge engine	1 1

Part No.	Part name	Quantity	
		J-5	SW
J-625-A	Heater	1	1
J-675	Heater bracket	1	1
J-676	Heater bracket bolt, lock & nut	2	2
A-4769	Heater hose clamp	4	4
J-677	Heater core	1	1
C-4763	Heater casing	1	1
J-678	Heater casing nut	2	2
J-679	Casing to bracket bolt, lock & nut	4	4
J-680	Heater hose (long)	1	1
J-681	Heater stop-cock	1	1
J-682	Heater hose (short)	1	1
J-683	Heater elbow	1	1
J-684	Defroster hose adapter	2	2
J-685	Defroster hose	2	2
C-4759-A	Heater motor	1	1
B-4761-A	Impeller	1	1
A-4756	Heater switch	1	1
J-686	Heater wires	3	3
J-687	Connector	1	1

BODY PARTS

J-601	Cab lower part	1	1
J-636	Cab bolt & lockwasher (front)	2	2
J-637	Cab bolt lockwasher & nut (rear)	2	2
J-602	Cab top part	1	1
M-844	Tob cab weatherstrip	1	1
J-603	Cab hinge pins	2	2
J-604	Windshield glass	1	1
J-640	Windshield glass weatherstrip	1	1
J-641	Windshield glass lower & upper moulding	1	1
J-605	Side glass	2	2
J-642	Side glass moulding	2	2
M-1855	Side glass run (top)	2	2
M-1858	Side glass run (bottom)	2	2
J-608	Rear glass	1	1
J-644	Rear glass screws	as required	
J-610	Cab support rod	1	1
J-623	Cab support spring	1	1
J-612	Cab friction disc & arm ass'y	1	1
J-611	Cab friction disc plate	1	1
J-638	Cab friction disc	1	1
J-1461	Cab support sleeve	1	1
J-1462	Cab support sleeve spring	1	1
J-639	Cab friction disc flat washer & nut	1	1
J-606	Operator's seat ass'y	1	1
J-607	Operator's back rest cushion	1	1
J-609	Dash & bracket ass'y	1	1
J-615	Engine cowling top part	1	1
J-616	Engine cowling & fan guard assembly	1	1
J-617	Engine side door right	1	1
J-618	Engine side door left	1	1
J-621	Engine side door retainer screw	2	2
J-624	Spring hook	1	1
J-631	Drain plug	1	1
J-632	Drain plug screw	1	1
J-627	Oil pan insulator	1	1
J-650	Cab lower part 3 man cab)	1	
J-651	Cab bolt lock washer and nut side)	8	
J-652	Side seat less cushion	2	
J-653	Cushion side seat (with cover)	2	
J-654	Back cushion side seat (with cover)	2	
J-655	Cover only back cushion side seat	2	
J-656	Cover only side seat cushion	2	
J-657	Bracket side seat support	4	
J-658	Side seat retainer bolt & nut	4	
J-660	Cab upper part (3 man cab)	1	
J-661	Windshield glass (3 man cab)	1	
J-662	Windshield glass retainer rubber	1	
J-666	Side glass moulding	2	
J-663	Rear glass (3 man cab)	1	
J-664	Rear glass moulding	1	
J-665	Moulding bolts & nuts	14	
J-667	Doortite 5/32" x 5/8"		
J-1236	Drive shaft cover	1	1
J-1237	Foot rest R.H.	1	1
J-1238	Foot rest L.H.	1	1
J-1950	Head protector ass'y		
J-609-A	Dash & tank protector		

WINCH

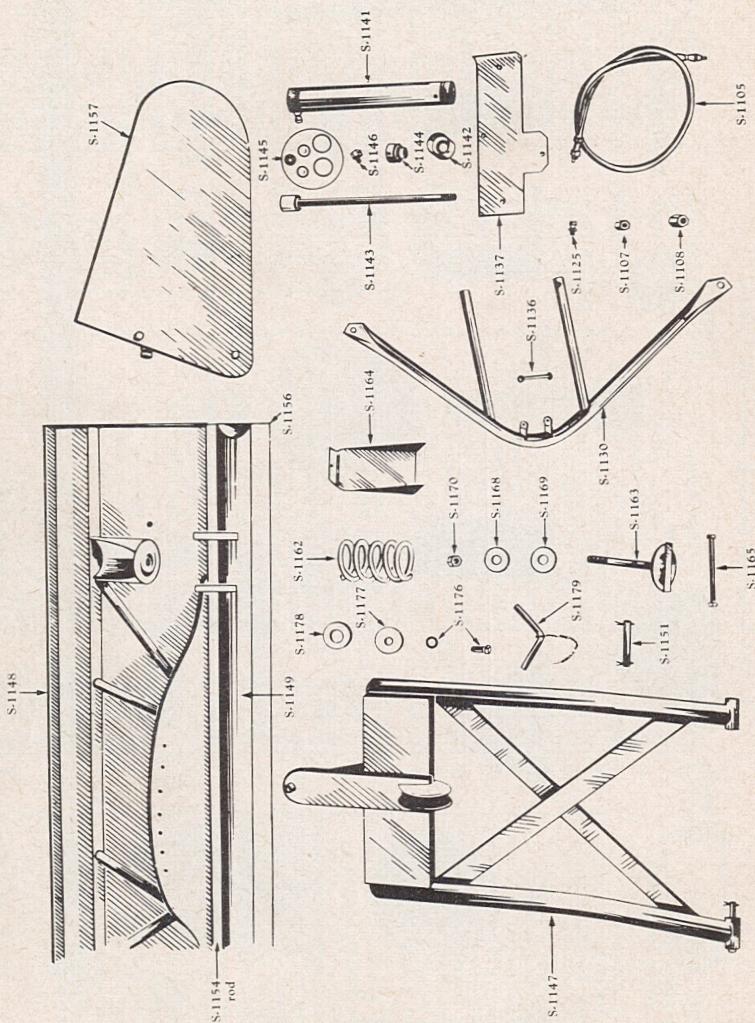


W I N C H

NOTE : W-2 is the side mounted winch with 2 drums
W-5 is the rear mounted winch with 1 drum

Part No.	Part name	Quantity			Part No.	Part name	Quantity			Part No.	Part name
		W-2	W-5	W-2			W-2	W-5	W-2		
W.1095	Crankshaft pulley flange	1	1	W.1105	Pulley & sprocket frame	1	1	W.1068	Worm housing assembly	1	1
W.1100	Crankshaft pulley flange bolt & nut	5	5	W.1036	Pulley frame side plate	1	1	W.1069	Worm housing bolt & nut (set)	1	1
W.1000.1	Drive pulley shaft and U-joint assembly	1	1	W.1106	Pulley frame bolt, nut & lock washer	3	4	W.1069.1	Worm housing bolt & nut (set)	1	1
J-245	U-joint repair package	4	4	W.1037	Belt guard	2	2	W.1070	Worm housing filler plug	1	1
W.1001	U-joint bolt & washer	4	4	W.1016	Sprocket 25 teeth	1	1	W.1125	Cable drum	1	1
W.1002	Drive pulley shaft key	1	1	W.1041	Sprocket shaft	1	1	W.1126	Drum shaft lock	2	1
W.1003.1	Drive pulley shaft bearing	1	1	W.1042	Sprocket shaft key	1	1	W.1075.1	Cable drum (narrow)	1	1
W.1004.1	Shaft bearing bracket	1	1	W.1003.1	Sprocket shaft bearing	2	2	W.1076.1	Cable drum (wide)	2	1
W.1005	Bracket bolt, nut & washer	2	2	W.1044	Pulley frame bracket	1	1	W.1077	Cable drum washer	2	1
W.1103	Grease fitting $\frac{1}{4}$ "	28	28	W.1045	Bracket, bolt, nut & washer	4	4	W.1078	Drum shaft to clutch key	2	1
	short straight	1	1	W.1046	Drum shaft, inside bracket	2	2	W.1127	Clutch assembly	2	1
	Drive shaft & U-joints	1	1	W.1050	Drive shaft & U-joints	1	1	W.1082.1	Clutch fork R.H.	1	1
W.1010	Drive pulley lower belt assembly	1	1	W.1051	Drive shaft to worm shaft key assembly	1	1	W.1083.1	Clutch fork pivot bolt, nut & washer	1	1
W.1011	Drive pulley upper	1	1	W.1052	Worm shaft key	1	1	W.1084	Clutch fork L.H.	2	1
W.1012	Pulley shaft	1	1	W.1053	Worm shaft key	1	1	W.1085.1	Drum shaft to frame bracket	2	1
W.1013	Pulley shaft key	1	1	W.1120	Worm shaft key	1	1	W.1086.1	Bracket bushing	2	1
W.1014	Pulley shaft bearing	2	2	W.1054	Worm shaft	1	1	W.1131	Frame bracket R.H.	1	1
W.1003.1	Sprocket washer	1	1	W.1115	Worm shaft	1	1	W.1132	Frame bracket midguard brace	2	1
W.1039	Sprocket 19 teeth	1	1	W.1116	Worm shaft leather seal	1	1	W.1133	Frame bracket bolt & nut	10	10
W.1040	Sprocket key	1	1	W.1055	Worm spacer	2	2	W.1135	Frame bracket midguard brace bolt & nut (rear)	2	2
W.1017	Sprocket chain	1	1	W.1056	Worm bearing cone	2	2	W.1135.A	Frame bracket cross rod & nut	1	1
W.1018	Sprocket chain connecting link	1	1	W.1057	Worm bearing cup	2	2	W.1134	Cable pulley bracket	1	1
W.1112	Control arm	1	1	W.1058	Worm bearing seal	1	1	W.1091	Pulley bracket bolt & lockwasher	2	1
W.1019	Control arm bolt, nut & washer	1	1	W.1059	Seal bushing	1	1	W.1092	Pulley clevis & pin	1	1
W.1020	Control shaft	1	1	W.1117	Worm spacer bushing 1 3/16"	1	1	W.1097	Cable pulley assembly with bearing	2	1
W.1021	Control lever	1	1	W.1118	Worm shaft thrust bearing	1	1	T.960	Pulley only	2	1
W.1025	Control lever bolt & nut	1	1	W.1119	Worm shaft thrust bearing spacer	1	1	T.961	Pulley frame	2	1
W.1109	Control lever bolt & nut	1	1	W.1113	Worm shaft nut	1	1	T.962	Pulley bearing cap	2	1
W.1026	Control lever bolt & nut	1	1	W.1114	Worm shaft cover pin	1	1	T.963	Pulley bearing seal	4	4
W.1027	Control lever yoke	1	1	W.1061	Worm gear	1	1	T.964	Pulley bearing cup	4	4
W.1027.1	Control lever yoke bolt & nut	1	1	W.1122	Worm, gear rivet	12	12	T.965	Pulley bearing cone	4	4
W.1028	Control lever yoke & flat washer	2	2	W.1063	Gear flange key	1	1	T.966	Cable U-bolts & nuts	1	1
W.1093	Stabilizer	1	1	W.1064.1	Cable drum shaft	1	1	W.1096	Winch cable	2	1
W.1108	Yoke to pulley frame bushing	1	1	W.1124	Cable drum	1	1	W.1090	Winch cable hook	2	1
W.1032	Bushing sleeve	1	1	W.1065	Gear flange bearing cup	2	2	W.1088	Winch cable clip	2	1
W.1033	Bushing bolt, nut & washer	1	1	W.1066	Gear flange bearing rubber plug	1	1	W.1094	Cable drum brake	2	1
W.1034	Pulley frame	1	1	W.1123	Worm housing rubber plug	2	2	W.1067	Cable drum brake bolt & nut	1	1

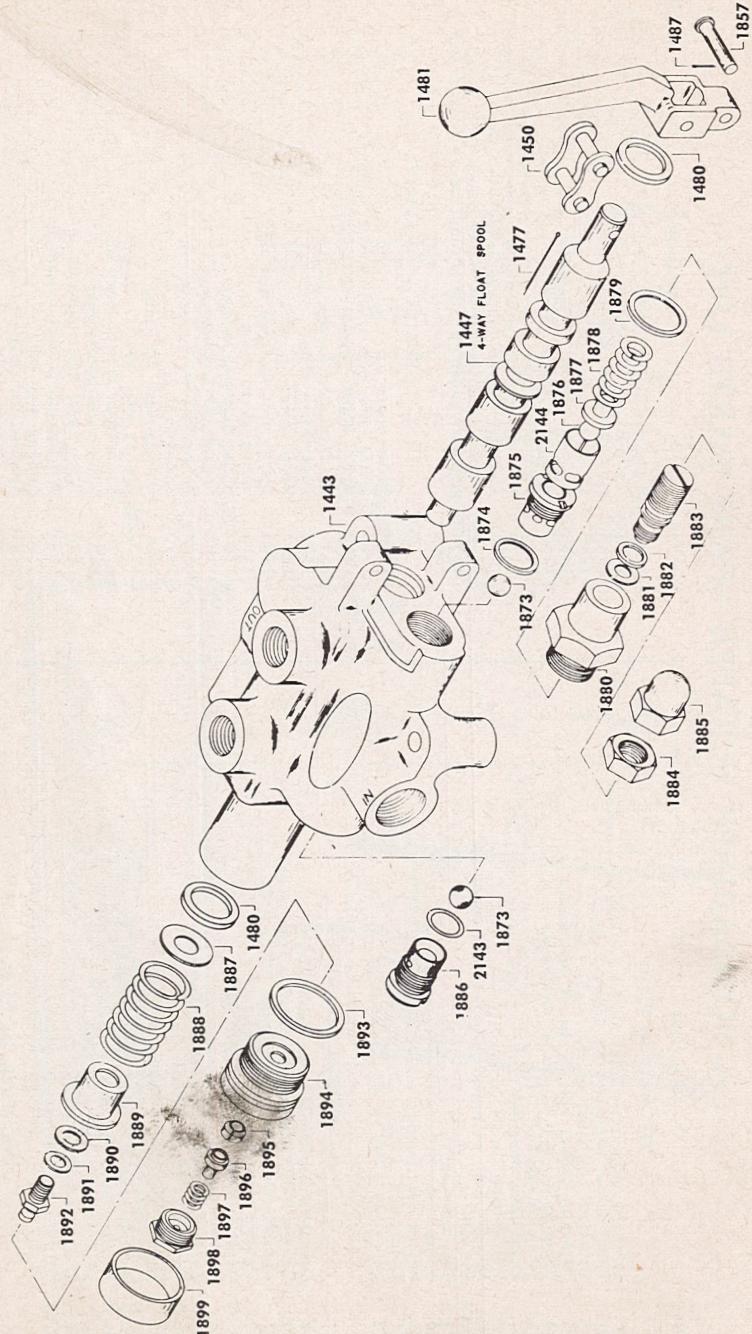
SCRAPER



BOMBARDIER SCRAPER SPARE PARTS LIST

Part No.	Part name	Quantity	Part No.	Part name	Quantity
	HYDRAULIC PUMP			CYLINDER STUFFING BOX	1
S-1850	Hydraulic pump assembly Pump swivel connector 45 degrees	1	S-1142	Cylinder stuffing box	1
S-1449	Generator and pump bracket	1	S-1143-A	Cylinder rod & piston head	1
S-1192	Generator holder bolt & nut & lockwasher	1	S-1144	Cylinder guide bushing	1
S-1193	Pump holder bolt & nut & lockwasher	1	S-1145	Cylinder repair kit	1
S-1194	Pump driving belt Pump inlet hose $\frac{5}{8}''$ x $9''$	1	S-1146-A	Cylinder elbow	1
S-1196	Hose clamp	2	S-1130	Cylinder bracket assembly	1
S-1197	Pressure hose — pump to valve (with couplings)	2	S-1132	Cylinder bracket bolt, nut & washer $2\frac{1}{2}''$ x $5/16''$	2
S-1198	Oil tank	1	S-1134	Cylinder bracket bolt, nut & washer $1\frac{1}{2}''$ x $5/16''$	2
S-1199	Oil tank cap	1	S-1136-A	Cylinder support bracket bolt $1\frac{1}{2}''$ x $3/8''$	2
S-1200-A	Return hose $5/8''$ x $59''$ — valve to tank	1	S-1138-A	Cylinder attaching bolt & nut (upper) $3''$ x $1\frac{1}{2}''$	1
S-1215-A	Return hose $5/8''$ x $16''$	1			
S-1220	Return hose nipple	1			
S-1221	Reducer $3/4''$ x $3/8''$	2			
S-1223	Cap screw $5/16''$ x $1''$	1			
S-1224					
	CONTROL VALVE			BLADE & BRACKET	
S-1110	Control valve assembly — floating type	1	S-1148	Blade upper part	1
S-1137	Control valve bracket (for floating type valve)	1	S-1149	Blade lower part (cutting edge support)	1
S-1113	Control valve bolt & lockwasher $\frac{3}{8}''$ x $2\frac{1}{4}''$	3	S-1147	Blade support bracket assembly	1
S-1223	Control valve inlet & outlet reducer $3/4''$ x $3/8''$	2	S-1151	Blade support bracket pin	2
S-1146-A	Control valve inlet & outlet elbow	1	S-1154	Blade hinge rod	1
S-1118	Control valve outlet elbow	1	S-1162	Blade spring	2
M-879	Control valve to cylinder hose reducer	2	S-1163	Spring seat & screw assembly	2
S-1146-A	Control valve to cylinder hose elbow	1	S-1164	Spring guard cover	2
M-876	Hose swivel connector	3	S-1165	Spring seat bolt & nut	2
S-1127-A	Hose coupling	6	S-1168	Spring pad (rubber)	2
S-1129-A	Flexible hose $3/8''$ with couplings valve to cylinder	2	S-1169	Spring washer	2
S-1199-A	Pressure hose $3/8''$ with couplings valve to cylinder	2	S-1170	Spring nut	2
S-1220	Return hose — valve to tank $5/8''$ x $59''$	1	S-1156	Cutting edge $70''$ long	2
S-1106	Hose bracket	1	S-1174-A	Cutting edge bolt	9
S-1107-A	Pressure hose adapter at pump	1	S-1176	Blade pivot bolt & lockwasher	1
	CYLINDER ASSEMBLY		S-1177	Blade pivot bolt washer	1
S-1140-A	Cylinder assembly	1	S-1178	Blade pivot bolt rubber washer	1
S-1141-A	Cylinder housing	1	S-1179	Angling pin & chain assembly	1
			S-1182	Angling pin only	1
			S-1183	Angling pin chain	1
			S-1198	Angling pin bushing	3
			S-1157	End cutting edge R.H.	1
			S-1159	End cutting edge L.H.	1

CONTROL VALVE (1 Spool)

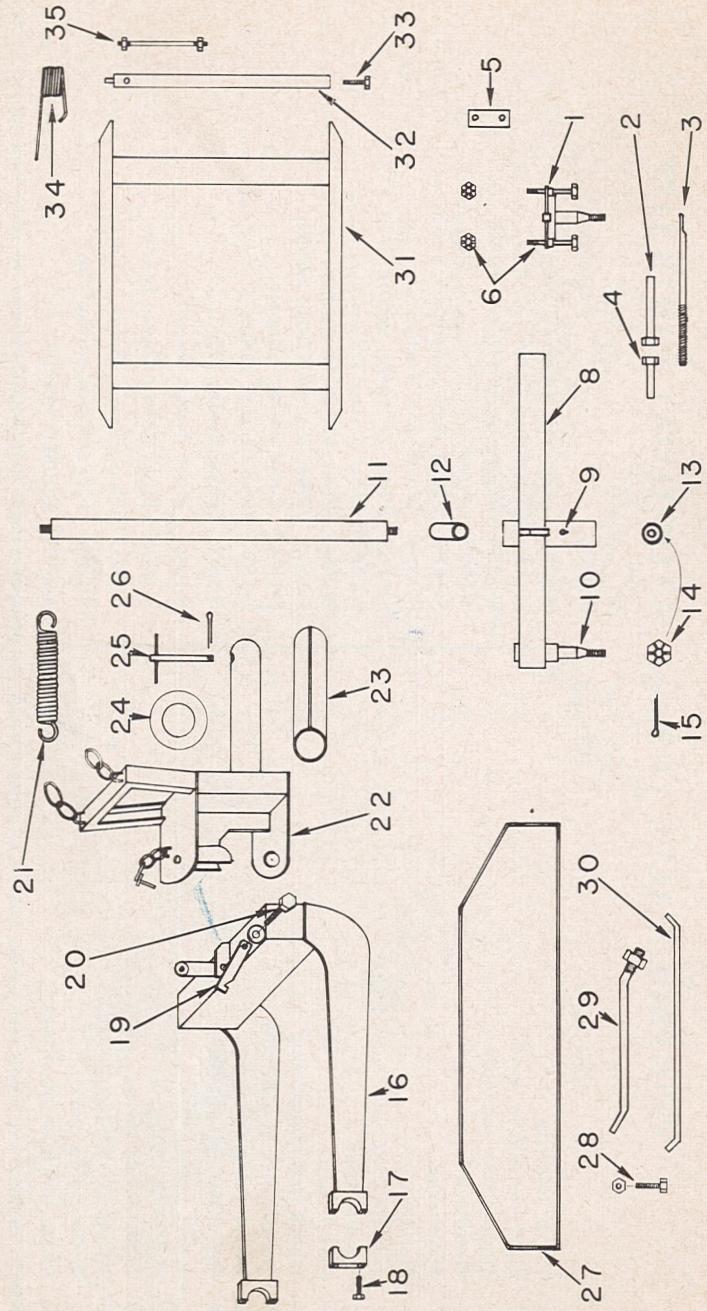


CONTROL VALVE (1 Spool) WITH FLOAT PARTS LIST

Part No.	Description	Quantity	Part No.	Description	Quantity
S-1443	Valve housing	1	S-1882	Adjusting screw O ring	1
S-1447	Float — 4 Way spool	1	S-1883	Adjusting screw	1
S-1450	Handle link assembly	1	S-1884	Adjusting screw jam nut	1
S-1477	Handle link cotter pin	1	S-1885	Acorn cap	1
S-1480	Spool seal	2	S-1886	Check ball plug	1
S-1481	Handle	1	S-1887	Float stop washer	1
S-1487	Handle cotter pin	1	S-1888	Float centering spring	1
S-1857	Handle pins	1	S-1889	Float spring collar	1
S-1873	Check ball	2	S-1890	Float assembly washer	1
S-2143	Check ball plug O ring	1	S-1891	Float assembly lock washer	1
S-1874	Relief valve seal O ring	1	S-1892	Float detent adapter	1
S-1875	Relief valve seat	1	S-1893	Detent cap gasket	1
S-2144	Relief seat jam collar	1	S-1894	Float detent cap	1
S-1876	Relief valve ball	1	S-1895	Float detent finger	3
S-1877	Ball seal spring spacer	1	S-1896	Float detent finger holder	1
S-1878	Float relief spring	1	S-1897	Float detent spring	1
S-1879	Relief valve body gasket	1	S-1898	Float detent spring cap	1
S-1880	Relief valve body	1	S-1899	Rubber bonnet	1
S-1881	Float relief spring washer	1			

NOTE: Housings and spools may not be ordered as separate items. All spools are fitted to individual housings by select hone process at factory.

T.6 TRAILER



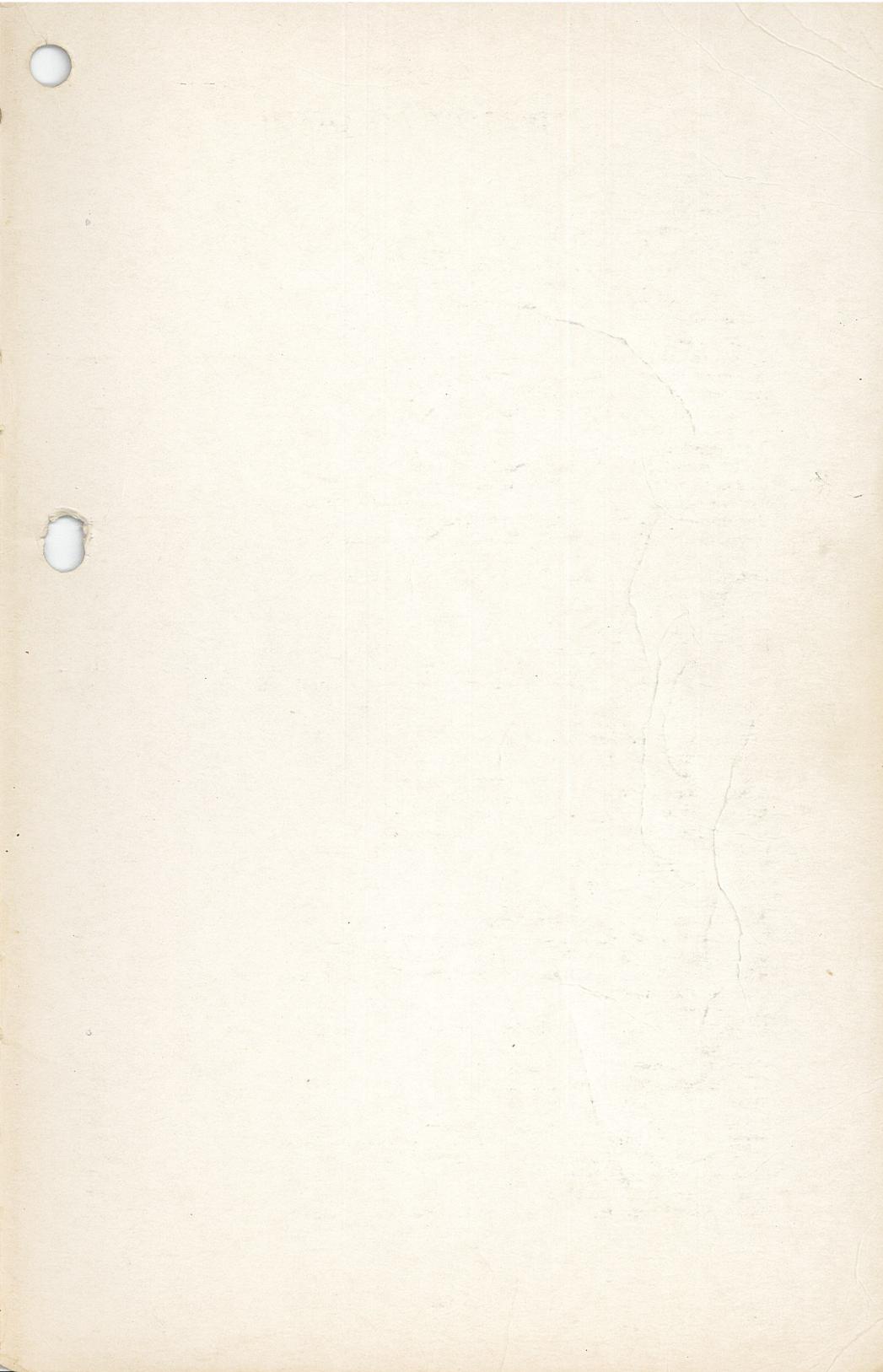
T-6 TRAILER PARTS LIST

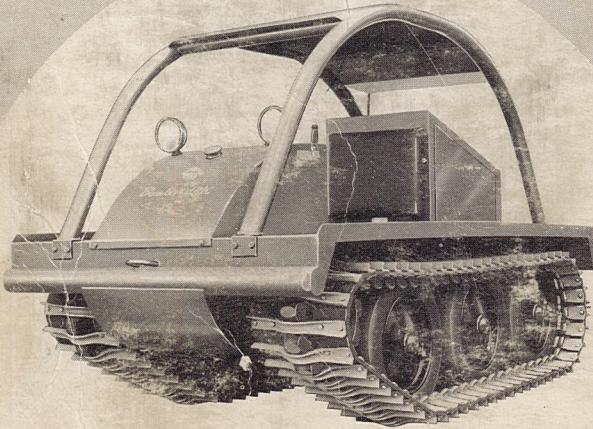
Ref. No.	Part No.	Part name	Quantity	Ref. No.	Part No.	Part name	Quantity	Part No.	Part name	Quantity
		TRACK			J-1352	Wheel spacer (rear spindle)	2	T-810	Ski assembly R.H.	1
T-900-A	Track assy with cross link $\frac{1}{4}$ "	2	T-800	Tandem axle cross shaft	1	T-811	Ski assembly L.H.	1		
M-121-A	Track cross link $\frac{1}{4}$ "	66	T-801	Cross shaft brace bolt	2	T-812	Ski runner-shoe	2		
T-901	Track belt	4	T-807	Cross shaft sleeve	4					
M-123	Track plate (cleat)	132	T-808	Cross shaft sleeve stop washer	2					
J-125	Track bolt and nut	264	J-179	Cross shaft sleeve washer nut	2					
				J-180	Cross shaft sleeve cotter pin	2				
		WHEEL						T-967	LOADING-MAST	
J-170-A	Wheel assembly	4							Loading mast swivel and pulley assembly	
J-1350	Valve protector cap	4						T-970	Loading mast swivel	2
J-171-A	Wheel mud excluder	4						T-972	Loading mast swivel lock bolt	2
R-172	Wheel mud excluder rubber	4						T-974	Pulleys and cups assembly	2
R-173	Wheel seal	4						T-965	Pulley bearing cone	4
R-1302	Wheel seal support	4						T-966	Pulley bearing seal	4
J-176-A	Wheel cup	8						T-964	Loading mast pulley axle	4
J-177-A	Wheel cone	8						T-969	Loading mast pulley axle nut	2
R-198	Spindle washer	4						T-973	Loading mast pulley axle lockwasher	2
R-179	Wheel nut	4						T-974	Pulley guide bracket	2
R-180	Wheel nut cotter pin	4						T-968	Cable guide bracket bolt	1
R-181	Wheel cap with grease fitting	4						T-860	Cable guide bracket bolt	1
J-182	Wheel tire	4						T-861	Cable guard T bolt	1
J-183	Wheel tube	4						T-950	Rear pulley bracket assembly (on tractor)	1
								T-951	Pulley bracket bolt and lockwasher	2
								T-862	Pulley bracket flat washer	2
								T-863	Pulley bracket washer bolt	2
								T-960	Cable pulley ass'y with bearings	2
1	J-186-B	Rear spindle ass'y (right or left)	2	28	T-831	Bunks and brace bolt and nut	4	T-961	Pulley frame	2
2	J-187	Adjusting screw nut & tube	2	29	T-846	Bunk brace and nut (round)	4	T-962	Pulley axle	2
3	J-188	Adjusting screw	2	30	T-854	Bunk brace (flat)	2	T-963	Pulley axle nut	2
4	J-189	Adjusting screw lock nut	2	31	T-835	Rear back assembly	1	T-979	Pulley bearing seal	4
5	J-190	Rear spindle plate	4					T-964	Pulley bearing cup	4
6	J-191-A	Rear spindle bolt & nuts	8	32	T-838	Tightener shaft	2	T-965	Pulley bearing cone	4
8	T-803-B	Tandem axle right	2	33	T-834	Tightener shaft bolt	2	T-966	Pulley corner bracket	4
9	T-804-B	Tandem axle left	2	34	T-935	Tightener shaft lock spring	1	W-1091	Pulley corner bracket bolt and washer	1
10	J-200-B	Spindle	2	35	T-936	Tightener shaft lever	1	W-1092	Pulley corner bracket pin	1
	J-1351	Wheel spacer	2	T-937	Tightener chain	1				
				T-938	Tightener chain spring	1				

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J-5 TRACTOR WITH HEAD PROTECTOR
TRACTEUR J-5 AVEC TOIT PROTECTEUR