3199 PIRST USED ON CAR 1032 3200 LAST UGED T-50-37 ON CAR SUPERSEES METRUCTIONS (E)

OPERATING INSTRUCTIONS

FOR

JORDAN STANDARD TYPE SPREADER DITCHER

WITH OR WITHOUT HIGH SNOW PLOW

WHEN SPREADER DITCHER ARRIVES AT THE BEGINNING OF A JOB REMOVE SAFETY TIE ROD HOLDING WINGS IN, ALSO REMOVE BOLT USED TO SHORTEN SAFETY CHAIN CONNECTING PLOW SMALL WING AND MAIN SPREADER WING, IF CAR HAS HIGH SNOW PLOW. IF NOT, REMOVE BOLT HOLDING PLOW SMALL WING TO PLOW SIDE AND SWING PLOW SMALL WING OPEN.

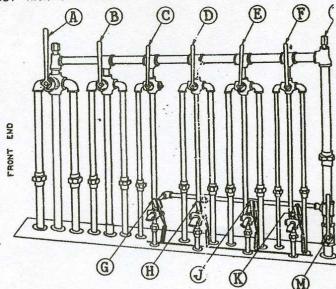
ALL AIR VALVES TO BE IN NEUTRAL POSITION, AS SHOWN, BEFORE TURNING AIR INTO AIR RESERVOIR AND CPERATING MANIFOLD.

DRAIN VALVE FOR AIR HESERVOIR LOCATED AT SIDE OF CAR SHOULD BE CLOSED.

SPREADER DITCHER IS EQUIPPED WITH AN AUXILIARY AIR INTAKE LINE ON THE
LEFT HAND SIDE AT REAR END OF CAR. IT IS DESIRABLE TO CONNECT A HOSE
FROM THIS LINE DIRECTLY TO THE AIR RESERVOIR ON THE LOCOMOTIVE. IF THIS
LINE IS USED, BE SURE CUTOUT COCK BETWEEN AIR RESERVOIR AND TRAIN LINE
IS CLOSED.

IF TRAIN LINE IS USED TO SUPPLY AIR TO SPREADER RESERVOIR, AIR BRAKT ON SPREADER DITCHER SHOULD BE CUT OUT.

BEFORE OPENING CUTOUT COCK M TO RELEASE AIR INTO MANIFOLD, REMOVE PIPE PLUG (N) AND POUR IN HALF PINT OF LIGHT OIL. (THIS SHOULD BE DONE! T LEAST ONCE A DAY). REPLACE PLUG (N) AND OPEN COCK (M) RELEASING AIR INTO MANIFOLD. GIVE EACH VALVE A QUICK TURN IN BOTH DIRECTIONS SO THAT SMALL AMOUNT OF OIL WILL BE SPRAYED INTO EACH END OF CYLINDERS.



HAND VALVES AND FOOT VALVES FOR OPERATING RIGHT HAND WING ARE ON THE RIGHT HAND SIDE OF CAB; VALVES FOR OPERATING LEFT HAND WING ARE ON THE HAND VALVES AND FOOT VALVE A FOR FRONT PLOW WHICH IS IN THE RIGHT HAND MANIFOLD ONLY; AND EMERGENCY BRAKE VALVE WHICH IS IN THE LEFT MANIFOLD ONLY DIRECTLY OPPOSITE PLOW VALVE. FOR BEST OPERATING RESULTS ON NEW CARS USE 100 * TO 110 * OF AIR PRESSURE.

TO OPERATE FRONT PLOW

FORWARD TO RAISE PLOW GROSSHEAD OFF PINS.

REMOVE PINS AND REPLACE IN HOLES TO SUIT DESIRED PLOWING DEPTH BELOW TOP OF RAIL, ALSO ADJUST RAIL SHOES ON PLOW BLADES TO CLEAR RAIL ABOUT 1. MOVE VALVE HANDLE A BACKWARD TO LOWER
PLOW CROSSHEAD TO ADJUSTMENT PINS THEN RETURN
HANDLE TO NEUTRAL POSITION.

TO OPERATE DITCHER WINGS

MOVE VALVE HANDLE (B) FORWARD TO RAISE SPREADER DITCHER WING CI-OSSHEAD OFF PINS IN MAIN POST. REMOVE PINS AND REPLACE IN HOLES TO SUIT DESIRED SPREADING DEPTH, STEP ON FOOT PE-DAL (G) TO RELEASE LOCK IN DIAGONAL BRACE AND AT THE SAME TIME STEP ON FOOT PEDAL (H) TO RE-LEASE LOCKS ON HORIZONTAL WING BRACES. MOVE DI-AGONAL BRACE VALVE HANDLE (C) FORWARD TO RAISE SPREADER DITCHER WING WIF WING REST. MOVE OP-ENING AND CLOSING CYLLEGER VALVE HANDLE (D) FOR-WARD SLOWLY. (IF WING OPENS TOO FAST REVERSE VALVE HANDLE TO CUSHION AIR CYLINDER THEREBY PR EVENTING WING FROM COMING TO A CRASH STOP). OPEN WING TO DESIRED SPREADING ANGLE. (DO NOT WORK SPREADER WING AT AN ANGLE LESS THAN 25° FROM SIDE OF CAR). MOVE DIAGENAL BRACE VALVE HANDLE (C) BACKWARD TO LOWER OUTER END OF SPREADER. DITCHER WING TO THE DESIRED SLOPE. WHEN THIS IS OBTAINED, QUICKLY RELEASE FOOT PEDAL (G) TO LOCK DIAGONAL BRACE. STEP ON FOOT PEDAL (J) TO RELEASE BANK SLOPER WING LOCK PIN, ALSO FOOT PE-DAL (H) TO RELEASE LUCKS ON HORIZONTAL WING BRACES. MOVE VALVE HANDLE (E) FORWARD TO RAISE BANK SLOPER WING OFF OF LOCK PIN, WHEN LOCK PIN RELEASES MOVE VALVE HANDLE (E) BACKWARD TO REL-EASE AIR FROM CYLINDER SO BANK SLOPER WING WILL LOWER. WHEN BANK SLOPER WING REACHES THE DE-SIRED OPERATING SLOPE RELEASE FOOT PEDAL (J) LOOK WARD MANUE WANTE WANTE FR RACKWARD

UNTIL WING ALMOST TOLCHES THE GROUND. WITH SPREADER DITCHER VALUE AT THE SECRET OPERATION ANGLE FROM THE SIDE OF CAR, REMOVE FOOT FROM PEOAL LOCOMOTIVE ENGINEER FOR FORWARD MOVEMENT OF SPREADER. AS SPREADER BEGINS FORWARD MOTION, MOVE. WALVE HANDLE B BACKWARD TO LOWER WING INTO THE EARTH AND THE CROSSHE'D ONTO THE PIN, SET AT THE DESIRED DITCHING DEPTH.

TO CLOSE WINGS, REVERSE ABOVE OPERATIONS.

CARRIER WING FORM

TO CARRY OR DRAG MATERIAL FROM CUTS, FOLD MAIN WING TO SIDE OF CAR. DISCONNECT REAR BRACE FROM WING AND SECURE TO REST WITH SAFETY CHAIN. OPEN MAIN WING AND LOWER MAIN VING AND BANK SLOPER WING TO LEVEL POSITION. DISCONNECT LIFTING CABLE ALSO REMOVE BOLT HOLDING BANK SLOPER WING TO PIVOT HINGE AND SWING WING FORWARD TO MEET OF DITCHER WING. LOWER CARRIER WING BRACE WITH BLOCK AND TACKLE, CONNECT BRACE TO WING.

TO OPERATE STEP ON FOOT PEDAL (K) TO RELEASE LOCK, THEN MOVE VALVE HANDLE (F) TO OPEN OR CLOSE CARRIER WING, FRONT OF CARPATA WING SHOULD LEAD AT A SLIGHT ANGLE INTO THE BANK.

LOCK CYLINDERS ARE IN LOCKED POSITION WHEN FOOT PEDALS ARE FELEASED.

LUERICATION

KEEP ALL MOVING PARTS WELL LUBRICATED EXCEPT GEAR RACK TEETH ON TELESCOPIC WING BRACES.

WINTER OPERATION

BEFORE TURNING AIR INTO RESERVOIR AND MANIFOLD

OPEN STOP COCK (M) AND REMOVE PIPE PLUG (N) POUR IN
HALF PINT OF ALCOHOL, ALLOWING A LITTLE TIME FOR ALCOHOL TO REACH RES. RVOIR. CLOSE STOP COCK (M) AND POUR
IN HALF PINT OF ALCHOL AND HALF PINT OF WINTER OIL AND
REPLACE PLUG (N). APPLY AIR INTO RESERVOIR AND MANIFOLD. THEN OPEN VALVES TO SPRAY LIQUID INTO EACH END

BOTTOM OF AIR RE ERVOIR TO BLOW OFF ACCUMULA'
THE REPERISHING ALCOHOL AND OIL SUPI
GEAR RACK TEETH ON WING BRACES FREE OF SNO'
ICE. BRACES ARE EQUIPPED WITH A BLOW PIPE.
WING OFF LOOSE SNOW. VALVE IN BLOW PIPE SHOU
OPENED ONLY A SMALL AMOUNT BECAUSE TOO LAR
OPENING WILL STOP OPERATION OF BRACE LOCK. A
POURED OVER GEAR RACK TEETH WILL PREVENT
TION OF ICE. A' THE END OF THE DAY BLEED AI
ALL AIR LINES AND RESERVOIR LEAVING RESERVOI
COCK OPEN.

IMPORTANT

IF SPREADER, DITCHER IS TO BE SHIPPED TO NE ION., PLACE PLOW CROSSHEAD PINS IN TOP HOLE MAIN POST CROSSHEAD PINS. SHORTEN PLOW SMA SAFETY CHAIN BY FORMING LOOP OF LOOSE CHAIN I GETHER BY A EGLT, OR SWING WING FORWARD AND TO PLOW. BE SURE DITCHER WINGS ARE RESTING C HOOKS. ALL MANIFOLD VALVES TO BE IN NEUTRAL ALL CUTOUT LOCKS TO BE CLOSED EXCEPT AIR BI OUT COCK TO BE OPEN. PLACE TIE ROD THRUWINGS AND CRAW IN TIGHT.

EMERGENCY BRAKE

EMERGENCY BRAKE VALVE IS LOCATED IN THE

POSITION AS VALVE (A) IN: LEFT HAND MANIFOLD

FOR REPAIR PARTS CATALOG WRITE STATING M

NOTE,-

SERIAL HUMBER.

BECAUSE OF THE GREAT NUMBER OF WING ADJ IT IS ALWAYS SEST TO RETURN THE WING TO TH POSITION IN WAYOR THE HORIZONTAL WING BRAC LOCKED, WHEN IT IS NECESSARY TO LINGOCK THEM

O.F. JORDAN C