

ELECTRIC BRAKE TROUBLE SHOOTING GUIDE

| PROBLEM | CAUSES | REMEDIES |
|----------------|-------------------------------|------------------------|
| NO BRAKES | OPEN CIRCUITS | FIND AND CORRECT |
| | SEVERE UNDER ADJUSTMENT | ADJUST BRAKES |
| | FAULTY CONTROLLER | TEST AND CORRECT |
| | SHORT CIRCUITS | FIND AND CORRECT |
| WEAK BRAKES | GREASE/OIL ON MAGNETS/LININGS | CLEAN OR REPLACE |
| | CORRODED CONNECTIONS | CLEAN/CORRECT CAUSE |
| | WORN LININGS OR MAGNETS | REPLACE |
| | SCORED/GROOVED BRAKE DRUMS | MACHINE OR REPLACE |
| | IMPROPER SYNCHRONIZATION | CORRECT |
| | UNDER ADJUSTMENT | ADJUST BRAKES |
| | BLAZED LININGS | REBURNISH OR REPLACE |
| | OVERLOADED TRAILER | CORRECT |
| LOCKING BRAKES | UNDER ADJUSTMENT | ADJUST |
| | IMPROPER SYNCHRONIZATION | CORRECT |
| | FAULTY CONTROLLER | TEST AND CORRECT |
| | LOOSE, BROKEN BRAKE PARTS | REPLACE COMPONENTS |
| | OUT OF ROUND BRAKE DRUMS | MACHINE OR REPLACE |
| | INSUFFICIENT WHEEL LOAD | ADJUST SYSTEM RESISTOR |

| PROBLEM | CAUSES | REMEDIES |
|-------------------------|------------------------------|--------------------|
| INTERMITTENT BRAKES | FAULTY CONTROLLER | TEST AND CORRECT |
| | BROKEN WIRES | REPAIR OR REPLACE |
| | LOOSE CONNECTIONS | FIND AND REPAIR |
| BRAKES PULL TO ONE SIDE | INCORRECT ADJUSTMENT | ADJUST |
| | GREASE/OIL ON LININGS/MAGNET | CLEAN OR REPLACE |
| | BROKEN WIRES | FIND AND REPAIR |
| | BAD CONNECTIONS | FIND AND REPAIR |
| HARSH BRAKES | UNDER ADJUSTMENT | ADJUST |
| | IMPROPER SYNCHRONIZATION | CORRECT |
| | IMPROPER CONTROLLER | CHANGE |
| | FAULTY CONTROLLER | TEST AND CORRECT |
| NOISY BRAKES | UNDER ADJUSTMENT | ADJUST BRAKES |
| | LACK OF LUBRICATION | LUBRICATE |
| | BROKEN BRAKE PARTS | REPLACE COMPONENT |
| | INCORRECT BRAKE PARTS | REPLACE |
| SURGING BRAKES | GREASE/OIL ON LININGS/MAGNET | CLEAN OR REPLACE |
| | OUT OF ROUND BRAKE DRUMS | MACHINE OR REPLACE |
| | FAULTY CONTROLLER | TEST AND CORRECT |

| PROBLEM | CAUSES | REMEDIES |
|-----------------|--------------------------|--------------------|
| DRAGGING BRAKES | OVER ADJUSTMENT | READJUST |
| | OUT OF ROUND BRAKE DRUMS | MACHINE OR REPLACE |
| | INCORRECT BRAKE PARTS | REPLACE |
| | BROKEN BRAKE PARTS | REPLACE |
| | FAULTY BREAKAWAY SWITCH | REPAIR OR REPLACE |
| | LOOSE WHEELBEARING ADJ. | ADJUST |
| | BENT SPINDLE | REPLACE AXLE |

