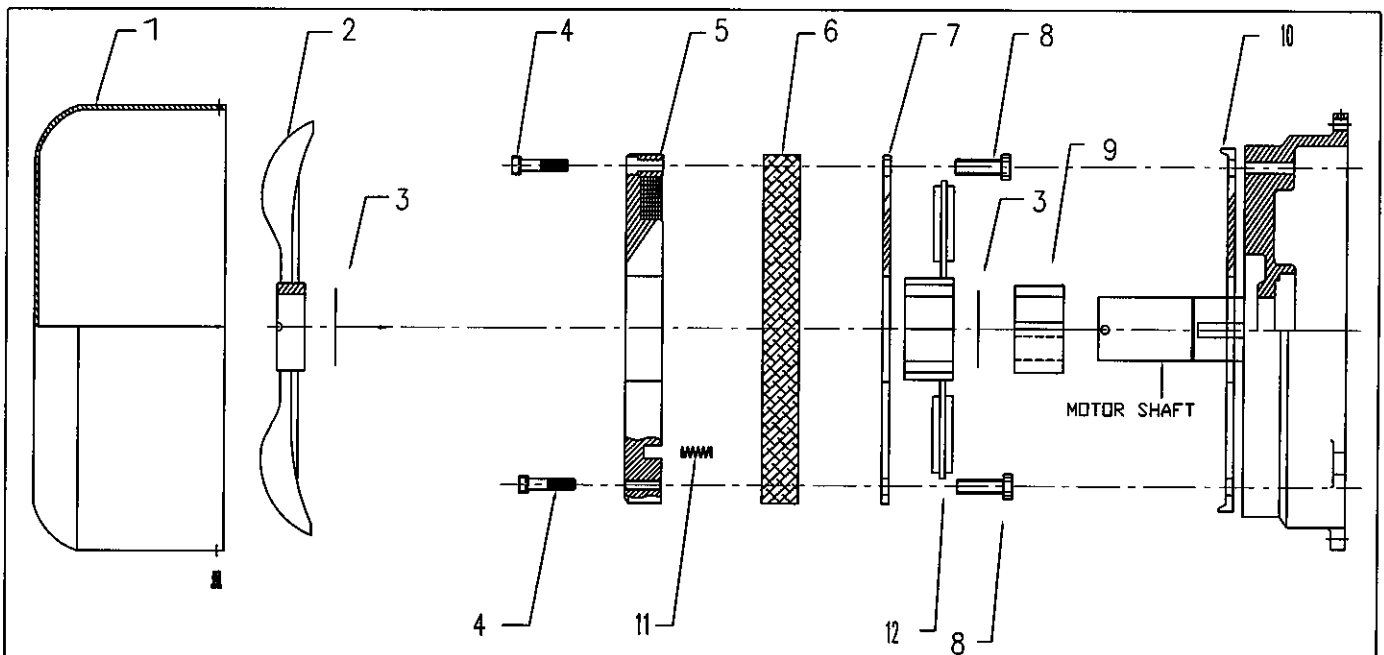


1.7.4. LENZE-BRAKE BFK458-14N (5hp S.S.)



ADJUSTMENT PROCEDURE:

NOTE: AIR GAP SETTING 0.012" TO .015" (.3mm TO .4mm)
 MAXIMUM AIR GAP, .6mm

1. REMOVE THE FAN COVER.
2. REMOVE THE FAN BLADE.
3. REMOVE THE DUST BAND.
4. LOOSEN THE ASSEMBLY BOLTS
5. ADJUST THE AIR GAP BY FOLLOWING THE LISTED PROCEDURE:
 - A, MEASURE THE AIR GAP AT THREE POINTS NEAR THE ASSEMBLY BOLTS USING A FLAT FEELER GAUGE
 - B, IF THE MAXIMUM AIR GAP HAS BEEN REACH OR THE MEASUREMENT DO NOT MATCH, LOOSEN THE 3 ADJUSTING SCREWS
 - C. TIGHTEN THE 3 ASSEMBLY BOLTS EQUALLY TO THE RECOMMENDED AIR GAP. THE AIR GAP VALUE MUST BE UNIFORM IN THE THREE MEASURING POINTS.
 - D, TIGHTEN THE ADJUSTING SCREW UP TO THE POINT THEIR END SEATS ON THE BRAKE FRICTION PLATE OR MOTOR HOUSING. DO NOT TIGHTEN EXCESSIVELY. RETIGHTEN THE ASSEMBLY BOLTS FIRMLY
 - E, RECHECK FINAL AIR GAP SETTINGS
6. REINSTALL THE DUST BAND.
7. REINSTALL THE FAN BLADE.
8. REINSTALL THE FAN COVER.

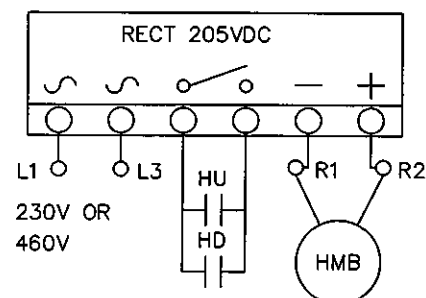
RECTIFIER PART No.#177-1885 FOR 220 volt

RECTIFIER PART No.#177-1880 FOR 460 volt

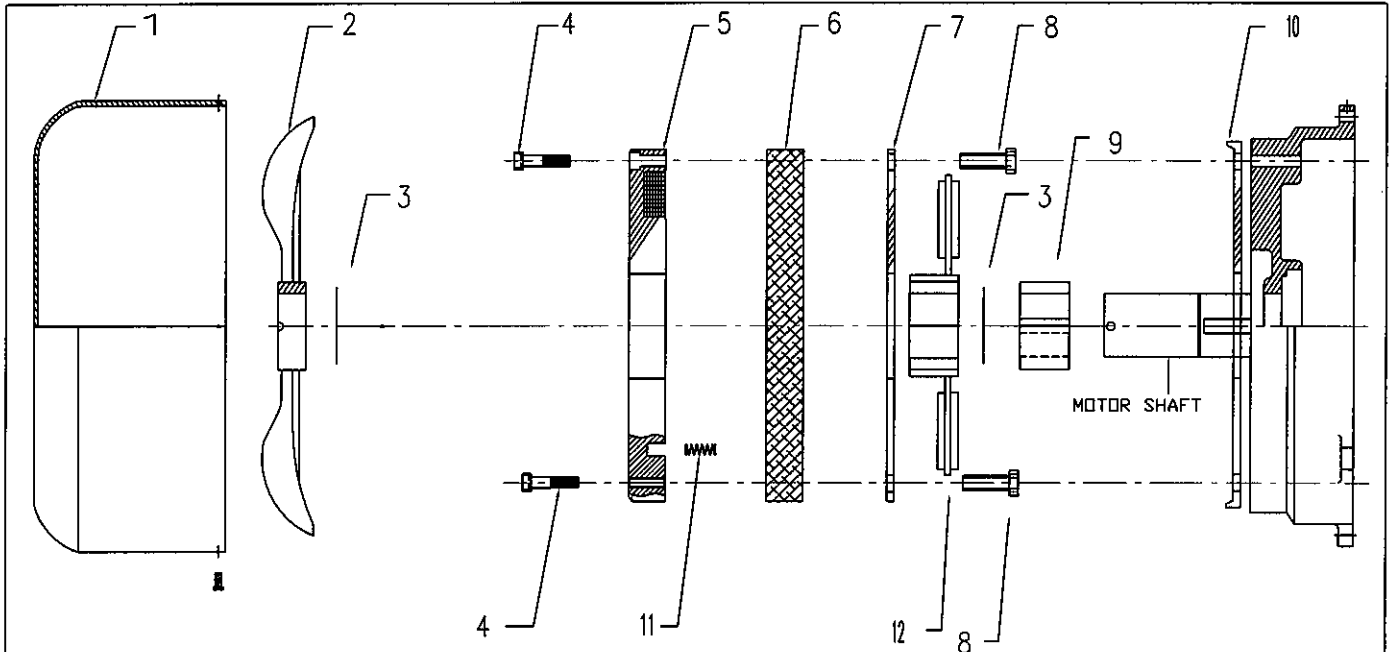
COMPLETE BRAKE PART No., 177-8740

EXPLODED VIEW PART NAME:

- | | |
|-------------------------------|---|
| 1. #177-8738 FAN COVER | |
| 2. #177-8739 FAN BLADE | qty, 1 |
| 3. #177-2515 SNAP RING | qty, 2 |
| 4. #N/A ASSEMBLY BOLT | qty, 3 |
| | available ONLY with complete brake or with brake coil |
| 5. #177-8741 BRAKE COIL, | qty, 1 |
| 6. #177-8748 DUST BAND, | qty, 1 |
| 7. #N/A ARMATURE PLATE, | qty, 1 |
| | available ONLY with complete brake or with brake coil |
| 8. #N/A ADJUSTING SCREW, | qty, 3 |
| | available ONLY with complete brake or with brake coil |
| 9. #177-8745 BRAKE HUB, | qty, 1 |
| 10. #177-8747 FRICTION PLATE, | qty, 1 |
| 11. #N/A SPRING, | qty, 9 |
| | available ONLY with complete brake or with brake coil |
| 12. #177-8743 ROTOR, | qty, 1 |
| | MIN ROTOR THICKNESS, .2953 (7.5mm) |
| | STARTING ROTOR THICKNESS, .3905 |



1.7.4. LENZE-BRAKE BFK458-16N (10hp S.S.)



STARTING ROTOR THICKNESS, .448" (11.5mm)
 MIN ROTOR THICKNESS, .315 (8mm)

ADJUSTMENT PROCEDURE:

NOTE: AIR GAP SETTING 0.012" TO .015" (.3mm TO .4mm)
 MAXIMUM AIR GAP, .8mm

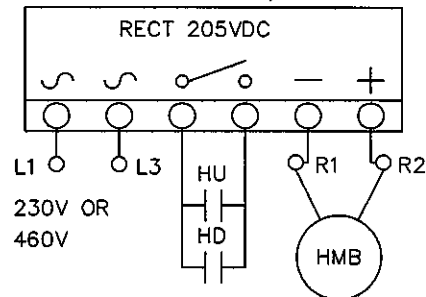
1. REMOVE THE FAN COVER.
2. REMOVE THE FAN BLADE.
3. REMOVE THE DUST BAND.
4. LOOSEN THE ASSEMBLY BOLTS
5. ADJUST THE AIR GAP BY FOLLOWING THE LISTED PROCEDURE:
 - A, MEASURE THE AIR GAP AT THREE POINTS NEAR THE ASSEMBLY BOLTS USING A FLAT FEELER GAUGE
 - B, IF THE MAXIMUM AIR GAP HAS BEEN REACH OR THE MEASUREMENT DO NOT MATCH, LOOSEN THE 3 ADJUSTING SCREWS
 - C, TIGHTEN THE 3 ASSEMBLY BOLTS EQUALLY TO THE RECOMMENDED AIR GAP. THE AIR GAP VALUE MUST BE UNIFORM IN THE THREE MEASURING POINTS.
 - D, TIGHTEN THE ADJUSTING SCREW UP TO THE POINT THEIR END SEATS ON THE BRAKE FRICTION PLATE OR MOTOR HOUSING. DO NOT TIGHTEN EXCESSIVELY. RETIGHTEN THE ASSEMBLY BOLTS FIRMLY
 - E, RECHECK FINAL AIR GAP SETTINGS
6. REINSTALL THE DUST BAND.
7. REINSTALL THE FAN BLADE.
8. REINSTALL THE FAN COVER.

RECTIFIER PART No., 177-1885 FOR 220 volt
 RECTIFIER PART No., 177-1880 FOR 460 volt
 COMPLETE BRAKE PART No., 177-8750

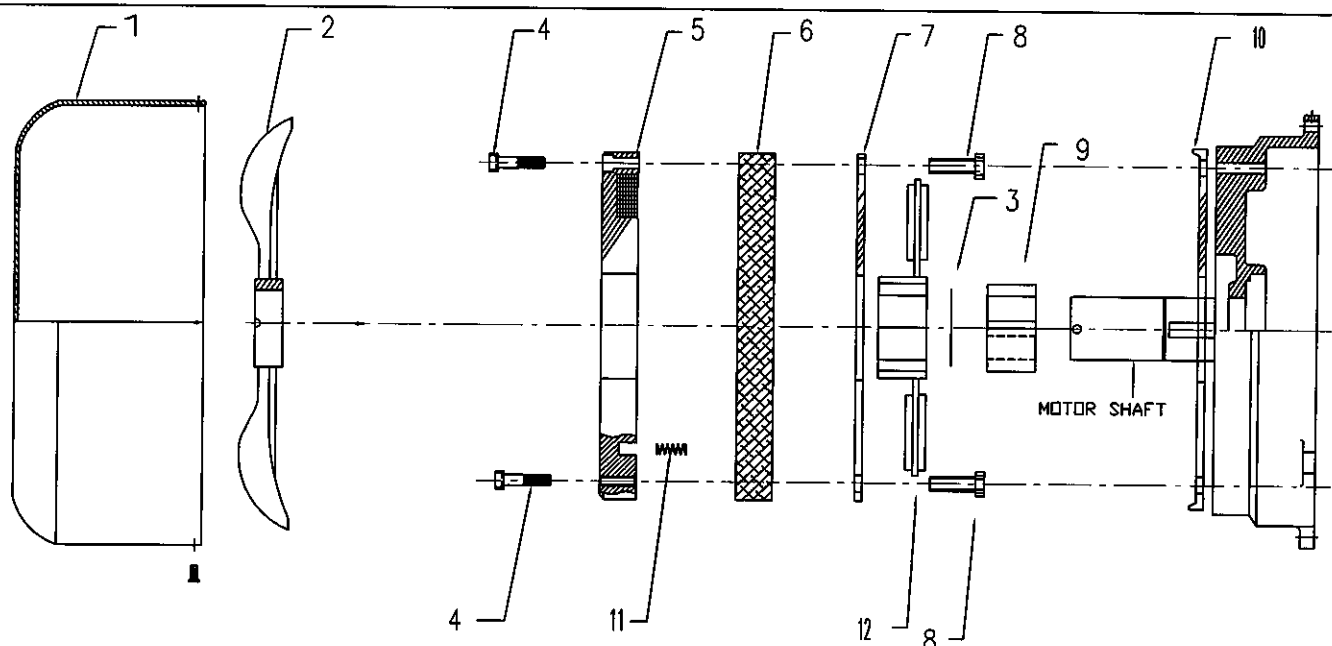
EXPLODED VIEW PART NAME:

- | | |
|---|--------|
| 1. #177-8759 FAN COVER | |
| 2. #177-2310 FAN BLADE | qty, 1 |
| 3. #1140-1915 SNAP RING | qty, 2 |
| 4. #N/A ASSEMBLY BOLT | qty, 3 |
| available ONLY with complete brake or with brake coil | |
| 5. #177-8751 BRAKE COIL, | qty, 1 |
| 6. #177-8758 DUST BAND, | qty, 1 |
| 7. #N/A ARMATURE PLATE, | qty, 1 |
| available ONLY with complete brake or with brake coil | |
| 8. #N/A ADJUSTING SCREW, | qty, 3 |
| available ONLY with complete brake or with brake coil | |
| 9. #177-8755 BRAKE HUB, | qty, 1 |
| 10. #177-8757 FRICTION PLATE, | qty, 1 |
| 11. #N/A SPRING, | qty, 9 |
| available ONLY with complete brake or with brake coil | |
| 12. #177-8753 ROTOR, | qty, 1 |

STARTING ROTOR THICKNESS, 11.5mm
 MIN ROTOR THICKNESS, 8mm



1.7.4. LENZE-BRAKE BFK458-18N (15hp S.S.)



ADJUSTMENT PROCEDURE:

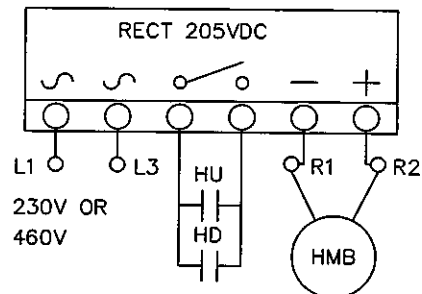
NOTE: AIR GAP SETTING 0.012" TO .015" (.3mm TO .4mm)
 MAXIMUM AIR GAP, .8mm

1. REMOVE THE FAN COVER.
2. REMOVE THE FAN BLADE.
3. REMOVE THE DUST BAND.
4. LOOSEN THE ASSEMBLY BOLTS
5. ADJUST THE AIR GAP BY FOLLOWING THE LISTED PROCEDURE:
 - A, MEASURE THE AIR GAP AT THREE POINTS NEAR THE ASSEMBLY BOLTS USING A FLAT FEELER GAUGE
 - B, IF THE MAXIMUM AIR GAP HAS BEEN REACH OR THE MEASUREMENT DO NOT MATCH, LOOSEN THE 6 ADJUSTING SCREWS
 - C. TIGHTEN THE 3 ASSEMBLY BOLTS EQUALLY TO THE RECOMMENDED AIR GAP. THE AIR GAP VALUE MUST BE UNIFORM IN THE SIX MEASURING POINTS.
 - D, TIGHTEN THE ADJUSTING SCREW UP TO THE POINT THEIR END SEATS ON THE BRAKE FRICTION PLATE OR MOTOR HOUSING. DO NOT TIGHTEN EXCESSIVELY. RETIGHTEN THE ASSEMBLY BOLTS FIRMLY
 - E, RECHECK FINAL AIR GAP SETTINGS
6. REINSTALL THE DUST BAND.
7. REINSTALL THE FAN BLADE.
8. REINSTALL THE FAN COVER.

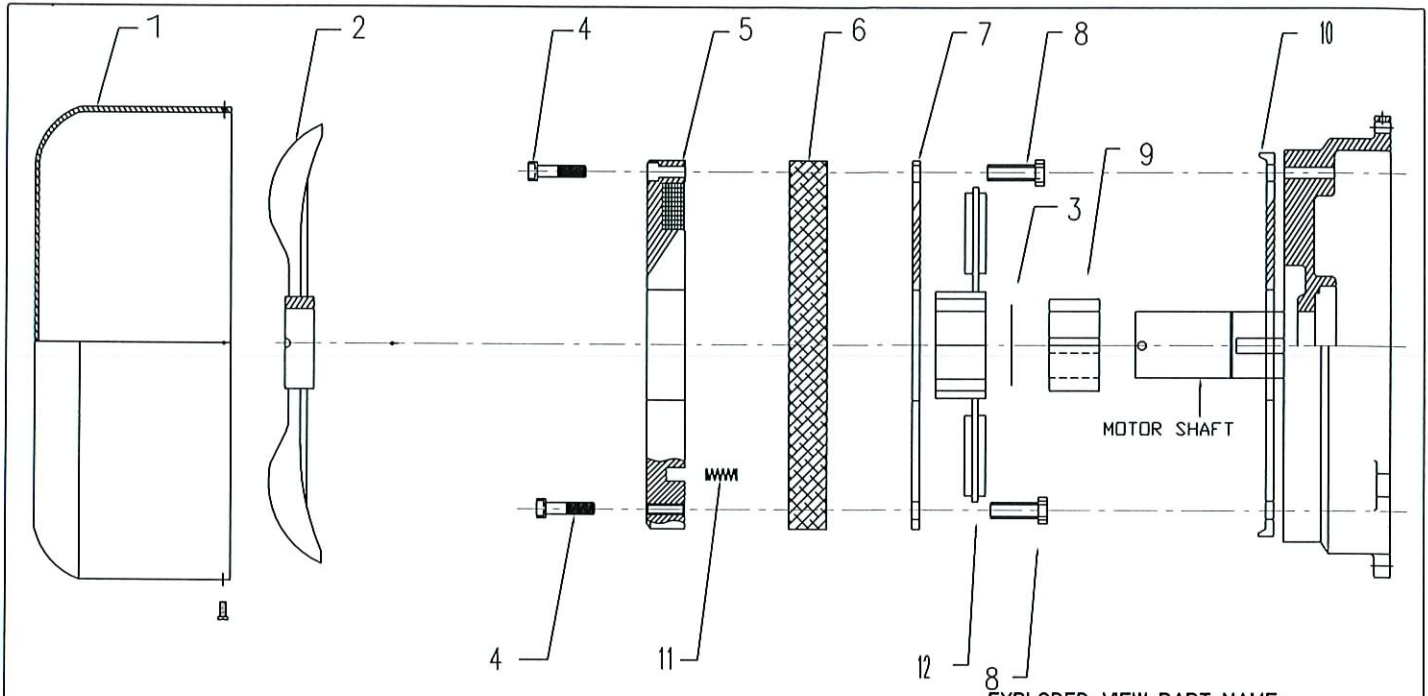
RECTIFIER PART No., 177-1885 FOR 220 volt
 RECTIFIER PART No., 177-1880 FOR 4600 volt
 COMPLETE BRAKE PART No., 177-8760

EXPLODED VIEW PART NAME:

- | | |
|--------------------------|---|
| 1. 177-8770 FAN COVER | |
| 2. #177-8769 FAN BLADE | qty, 1 |
| 3. #177-3145 SNAP RING | qty, 1 |
| 4. #N/A ASSEMBLY BOLT | qty, 6 |
| | available ONLY with complete brake or with brake coil |
| 5. #177-8761 BRAKE COIL, | qty, 1 |
| 6. #177-8768 DUST BAND, | qty, 1 |
| 7. #N/A ARMATURE PLATE, | qty, 1 |
| | available ONLY with complete brake or with brake coil |
| 8. #N/A ADJUSTING SCREW, | qty, 6 |
| | available ONLY with complete brake or with brake coil |
| 9. #177-8765 BRAKE HUB, | qyt, 1 |
| 10. #N/A FRICTION PLATE, | qty, 0 |
| 11. #N/A SPRING, qty, 9 | |
| | available ONLY with complete brake or with brake coil |
| 12. #177-8763 ROTOR, | qty, 1 |
| | STARTING ROTOR THICKNESS, .5085" |
| | MIN ROTOR THICKNESS, .3937" (10mm) |



1.7.4. LENZE-BRAKE BFK458-25N (30 & 40hp S.S.)



EXPLODED VIEW PART NAME:

ADJUSTMENT PROCEDURE:

NOTE: AIR GAP SETTING 0.015" TO .019" (.4mm TO .5mm)
 MAXIMUM AIR GAP, .8mm

1. REMOVE THE FAN COVER.
2. REMOVE THE FAN BLADE.
3. REMOVE THE DUST BAND.
4. LOOSEN THE ASSEMBLY BOLTS
5. ADJUST THE AIR GAP BY FOLLOWING THE LISTED PROCEDURE:
 - A, MEASURE THE AIR GAP AT THREE POINTS NEAR THE ASSEMBLY BOLTS USING A FLAT FEELER GAUGE
 - B, IF THE MAXIMUM AIR GAP HAS BEEN REACH OR THE MEASUREMENT DO NOT MATCH, LOOSEN THE 6 ADJUSTING SCREWS
 - C. TIGHTEN THE 6 ASSEMBLY BOLTS EQUALLY TO THE RECOMMENDED AIR GAP. THE AIR GAP VALUE MUST BE UNIFORM IN THE SIX MEASURING POINTS.
 - D, TIGHTEN THE ADJUSTING SCREW UP TO THE POINT THEIR END SEATS ON THE BRAKE FRICTION PLATE OR MOTOR HOUSING. DO NOT TIGHTEN EXCESSIVELY. RETIGHTEN THE ASSEMBLY BOLTS FIRMLY
 - E, RECHECK FINAL AIR GAP SETTINGS
6. REINSTALL THE DUST BAND.
7. REINSTALL THE FAN BLADE.
8. REINSTALL THE FAN COVER.

- | | | |
|-----|---|--------|
| 1. | 177-8775 FAN COVER | |
| 2. | #177-8777 FAN BLADE | qty, 1 |
| 3. | #080-1100 SNAP RING | qty, 1 |
| 4. | #N/A ASSEMBLY BOLT | qty, 6 |
| | available ONLY with complete brake or with brake coil | |
| 5. | #177-8791 BRAKE COIL, | qty, 1 |
| 6. | #177-8798 DUST BAND, | qty, 1 |
| 7. | #N/A ARMATURE PLATE, | qty, 1 |
| | available ONLY with complete brake or with brake coil | |
| 8. | #N/A ADJUSTING SCREW, | qty, 6 |
| | available ONLY with complete brake or with brake coil | |
| 9. | #177-8795 BRAKE HUB, | qty, 1 |
| 10. | #N/A FRICTION PLATE, | qty, 0 |
| 11. | #N/A SPRING, | qty, 9 |
| | available ONLY with complete brake or with brake coil | |
| 12. | #177-8793 ROTOR, | qty, 1 |
| | STARTING ROTOR THICKNESS, ???? | |
| | MIN ROTOR THICKNESS, .610" (15.5mm) | |
| 13. | #177-8790 MOTOR END BELL, | qty, 1 |

RECTIFIER PART No., 177-1885 FOR 220 volt
 RECTIFIER PART No., 177-1880 FOR 4600 volt
 COMPLETE BRAKE PART No., NOT AVAILABLE

