

AERO-MOTIVE COMPANY

A Woodhead Industries, Inc. Subsidiary



IMPORTANT SAFETY INSTRUCTIONS

Please read this manual carefully and follow its instructions. Improper use or failure to follow these instructions could result in serious injury, death or property damage. Operators should be instructed in the safe and proper use and maintenance of this product. Keep this manual for future reference.

The following safety precautions call attention to potentially dangerous conditions.

DANGER: Immediate hazards which **WILL** result in severe personal injury or death.

WARNING: Hazards or unsafe practices which **COULD** result in severe personal injury or death.

CAUTION: Hazards or unsafe practices which **MAY** result in *minor* personal injury or product or property damage.

NOTE: Instruct operators in the safe, proper use and maintenance. Keep this manual for future reference.

INSTALLATION

WARNING: Failure to read, understand or follow these instructions could lead to hazards or unsafe practices **COULD** result in severe personal injury or death.

WARNING: Disconnect power before servicing.

CAUTION: Instruct operators in the safe, proper use and maintenance of this product.

Mount slip ring by sliding the mounting hub over mounting shaft and securing it tightly with set screws. See chart below. The drive stud (customer supplied or mounted on the reel) must protrude through the hole on drive plate, allowing for a 1/2" minimum clearance to the first brush in line. This will allow slip ring to rotate properly. Drive stud should not exceed 3/8" diameter.

SERIES	MOUNTING HOLE DIAMETER
SR200, AG200	.875 Mounting Hub
SR300, AG300, SR400	1.500 Mounting Hub

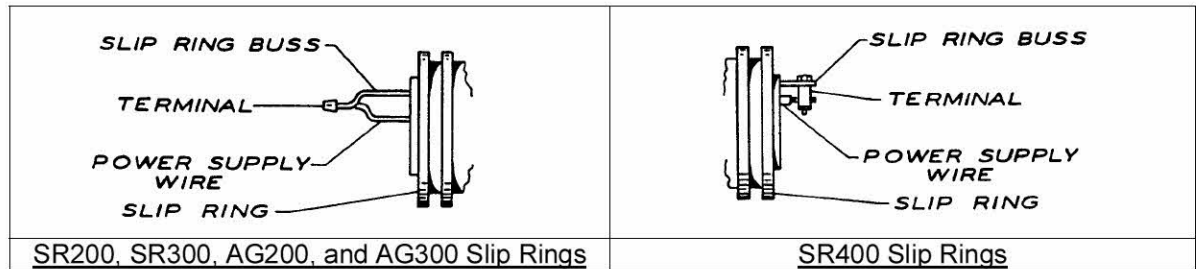
OPERATION

WIRING

To complete wiring, connect one set of wires to brushes and other corresponding set of wires through main shaft to slip ring buss--as illustrated. Always insure that each lead is connected to the corresponding brush and buss wire. Always provide slip ring with fuse protection. Chart below shows maximum lead wire size supplied or allowed with ring.

Models	Lead Wire	Models	Lead Wire	Models	Lead Wire
SR202-SR2012	#12 AWG	SR302-SR316	#10 AWG	SR402-SR404	Max #4 AWG
SR2014-SR2016	#14 AWG	SR318-SR324	#12 AWG	SR405-SR406	Max #6 AWG
SR2018-SR2028	#16 AWG	SR326-SR336	#14 AWG		

To complete wiring, connect one set of wires to brushes and other corresponding set of wires through main shaft to the slip ring buss--as illustrated.



MAINTENANCE



CAUTION:

Wipe off any excess grease. Never treat ring surface with any type of lubricant cleaner. Hazards or unsafe practices **MAY** result in *minor* personal injury or product or property damage.

Grease may be required depending on the use and atmosphere. If required, place a light coat of nonconductive grease on riding surface of drive plate and end plate. Inspect brushes and slip rings periodically for wear and corrosion.

SERVICE

All parts illustrated are available as repair parts. During disassembly and assembly of slip rings, always be careful to install parts in their proper places as illustrated. The brush and brush holder should always be centered between the insulators on the slip ring. The last brush should be mounted 90° from drive stud, to allow for needed clearance between drive stud and brush. Be sure that brush surface makes complete contact with ring. Clamp brush holder in place securely.5

REPLACEMENT PARTS

