

**FREQUENTLY ORDERED PARTS
SEMI-AUTOMATIC OVERHEAD
ITW COBRA IV(4) SIGNODE Model 410**

MAINFRAME

50-20000-005	Motor, ¾ HP, 90VDC @ 1725 RPM, Leeson	Main drive motor for rotor arm, rotates arm around load
50-35018-002*	Brush, Leeson #900116.02	Replacement brush, 2 req'd
40-82048-001	Brake, 5"	Stops and holds rotor arm in place
50-47001-001	Surge suppressor	Brake voltage spike protection
40-81012-001	Belt, Timing 322LO75	Connects drive motor to rotor arm gearbox
40-87636-001	Gearbox, Dodge 325A	Rotor arm gearbox (reducer)
40-40000-002	Seal kit, Dodge 325	Gearbox seal repair kit
50-69022-001	Proximity switch	Senses rotor arm home position and wrap counts
50-32024-002	Collector ring assembly, 14 rings	Rotary electrical connector to rotor arm and carriage (14 wires)
50-35022-003	Collector ring brush and holder, bronze	Sliding power contact brush (part of #50-32024-002)
50-35022-006	Collector ring brush w/ holder, silver	Sliding signal contact brush (part of #50-32024-002)
50-35022-010	Collector ring brush, bronze	Power contact brush (part of #50-35022-003)
50-35022-011	Collector ring brush, silver	Signal contact brush (part of #50-35022-006)
05-00142-201	Collector ring retrofit kit	Replacement for old Cobra commutator & brush assemblies

* Brushes are compatible with ½ HP motors also (50-20000-003)

ROTOR ARM

45-08041-021	Photo eye 42GRU-9202, 120VAC/DC	Safety hoop E-stop, Pre-stretch carriage protection
40-89000-048	Sprocket 12 tooth x 5/8 bore	Connects lift chain to gearmotor
50-18012-012	Gearmotor assembly, Bison (Elevator motor)	Integral motor, brake & gear reducer to raise/lower carriage
50-18012-099	Brush, Bison #900116.02	Replacement brush (2 req'd)
50-18012-099	Brake, Bison	Replacement brake (Stearns)

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DOWNRIGHT

12-00110-003	Safety hoop, red plastic	Carriage bumper, triggers E-Stop
03-01398-201	Idler sprocket assembly	Connects film carriage lift chain to downright and tensions chain

PRESTRETCH CARRIAGE (30" FILM)

03-01532-205	Motor-clutch assembly, PS1 ¾ HP@115VAC	Pre-stretch drive assembly, long shaft (Spiroid™ clutch)
03-01431-216	Motor-clutch assembly, PS1 ½ HP@115VAC	Pre-stretch drive assembly, short shaft, non Spiroid™
50-20091-005	Motor ¾ HP, 115/230VAC, 1725RPM	Drive motor for Spiroid™ clutch assembly exclusively
50-20000-005	Motor ¾ HP, 90VDC, 1725RPM	Drive motor for non clutch driven film carriages
40-87642-001	Gearbox, Spiroid™	Pre-stretch gearbox for Spiroid™ assembly only
40-87716-001	Gearbox 5:1	Pre-stretch gearbox for non clutch driven (DC motor)
03-01266-210	Roller assembly 3.5" O.D., Easy thread (1996 & later)	Large diameter pre-stretch roller with 2" extended upper shaft for easy threading
03-01265-208	Roller assembly 2.5" O.D., Easy thread (1996 & later)	Small diameter pre-stretch roller with 2" extended upper shaft for easy threading
03-01266-202	Roller assembly 3.5" O.D. (pre 1996 units)	Large diameter pre-stretch roller (non- easy thread for units)
03-01265-202	Roller assembly 2.5" O.D. (pre 1996 units)	Small diameter pre-stretch roller (non-easy thread for units)
40-02039-001	Bearing, flange, 3-bolt, ¾"	Pre-stretch rollers top bearing and shaft support
40-02041-001	Bearing, (in roller)	Pre-stretch rollers base bearing
08-03136-001	Screw, modified	Pre-stretch rollers base bearing support
03-01087-219	Idler roller assembly 1.25" x 33" long	Last roller the film touches before it feeds out to the load
03-01087-220	Idler roller assembly 1.25" x 32" long	First roller the film touches after unwinding from the film roll

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PRESTRETCH (cont'd)

12-00062-002	Guide downright, 34"	Plastic bearing surface between the pre-stretch and downright
03-01113-201	Sprocket, idler assembly (#40 chain)	12 tooth pre-stretch roller for chain drive, includes sprocket, bearings, spacers and bolt
12-00050-006	Disc, film roll support	Plastic disc the film roll rests on
40-61014-201	Hinge support kit	Holds the top of the film roll
50-60063-001	Limit switch, 802T-NPTP	Stops carriage at top and bottom limit of downright
50-60039-001	Limit switch arm	Attaches limit switch
45-08041-020	Photo eye 42GRP-9042, 120VAC/DC	Load height sensor (top of load)
50-69047-002	Proximity switch (analog pre-stretch)	Roller mounted analog sensor for pre-stretch film feed
50-17062-002	Motor controller (analog pre-stretch)	DC motor control for pre-stretch film feed
85-02016-001	Strain Gauge (ACCU IV)	Roller mounted load cell sensors, triggers film feed rate
50-17075-001	AB-4 Board (ACCU IV)	DC motor control and strain gauge amplifier for film feed

CONTROL PANEL

50-17066-003	Motor Controller MMRG30U-571	DC drive control board for both rotor arm and elevator motors
50-12009-002	Keypad Cobra, red	Operator control & display interface to micro controller
30-00004-201	Micro controller	Machine control interface (input/output), holds E-prom
50-48006-001	E-prom	Microprocessor, programmed based on machine serial number
50-33041-001	Relay	Micro controller output relay
50-45000-001	Bridge rectifier	AC to DC voltage converter for the rotor arm holding brake