WIPER PARTS that fit UNION CITY BODY COMPANY

(Not made or sponsored by Union City Body Company)

1992 - on Motor

40-156 - Wiper Motor for 1992 and newer. New Motor
49-524 - Silver 13” to 18.5” adjustable wiper arm with 3/16” saddle. Fits over straight pivot shaft.
49-917 - Pump & grommet, fits UCBC. Uses original Packard connector plug.
49-525 - 18” Black Wet Arm, OEM replacement on UCBC step vans. Includes shepherds hook. For dry arm, remove wet arm components.

WIPER MOTORS that fit INDUSTRIAL APPLICATIONS

The wiper motors we stock are rated at 12 volts, two speed, 3 spade terminals w/o switch on motor. Other options are available special order, call.

49-031 Industrial Application Universal Wiper Motor with 1” Shaft, 12 Volt.
49-032 Industrial Application Universal Wiper Motor with 2” Shaft, 12 Volt.
49-033 Industrial Application Universal Wiper Motor with 3” Shaft, 12 Volt.

WASHER NOZZLES, HOSES & FITTINGS

49-251 Single Nozzle 90 Degree
49-254 Single Nozzle Straight
49-255 Short Nozzle with wing nut
49-262 Replacement Steel Barb Fitting for wet arm hose through cowl
49-258 Hose Fitting through cowl, all plastic.
49-260 Single Nozzle, Head size: 13/16” x 9/16”
49-261 Single Jet Nozzle
49-256 Flush Single Nozzle, 1-1/8” Tall
49-263 Wet Arm Nozzle Old Dyna Arm Fits LH or RH (used in kit 49-248)
49-240 Wet Arm Nozzle Button Style
49-249 Wet Arm Kit AN-74764 - 50 feet
49-248 Wet Arm Kit AN-74764-P - 5 feet
49-242 Wet Arm Hose Strap
49-257 Wet Arm Nozzle for New Dyna Arm. Fits LH or RH
49-258 Single Jet Nozzle
49-260 Single Nozzle, Head size: 13/16” x 9/16”
49-261 Single Jet Nozzle
49-256 Flush Single Nozzle, 1-1/8” Tall
49-263 Wet Arm Nozzle Old Dyna Arm Fits LH or RH (used in kit 49-248)
49-240 Wet Arm Nozzle Button Style
49-249 Wet Arm Kit AN-74764 - 50 feet
49-248 Wet Arm Kit AN-74764-P - 5 feet
49-242 Wet Arm Hose Strap
49-257 Wet Arm Nozzle for New Dyna Arm. Fits LH or RH

For a complete selection of blades see page 169
49-000 - New Wiper Motor with 3/8" splined shaft. (Comes with lever 49-464) This motor is only used on 3 wire motor systems (though our motor has 5 wires, 2 are not used). Motor mount hole pattern on newer trucks may have to be elongated slightly for proper fit. Jumper on Plug.

49-004 - Wiper Motor with 3/8" splined shaft. Same as 49-000 except used on a 5 wire dynamic park motor systems. (Comes with lever 49-464). Ground wire goes from motor to casing Fits Morgan Olson Workhorse chassis & column mounted switch.

49-005 - Wiper Motor with 3/8" splined shaft. Same as 49-000 except used on dynamic park motor systems. (Order a new lever 49-464 when ordering this motor) Fits Morgan Olson. Only use with column mounted switch. Ground wire is included in 5 wire harness and in 5 pin plug.

49-006 - Wiper motor, 2 speed, Coast to Park, with 3/8" splined shaft. Used on trucks 1991 and newer. Call with your VIN number before ordering this motor. This motor has a hole pattern of 1-3/4" C to C. and comes with lever 49-464. Has three wires going to plug. White ground wire comes out of motor and grounds to motor gearbox casing. Popular on Morgan Olson with Workhorse Chassis and column mounted switch, but this is not always the case.

49-464 - Lever that fits Kurbmaster and Route Star with motor that mounts above windshield. One motor operates two wiper arms. 3/8" shaft hole. 49-450 - Same as 49-464 except with 5/16" shaft hole.

49-713 - 3/8" Acorn Nut Fits Morgan Olson Workhorse chassis & column mounted switch.
49-715 - 5/16" Acorn Nut
49-711 - Spring Clip

49-675 Wiper Motor Mounting Bracket (2pc) $20.89

49-315 Knob Only Fits: 49-304, 49-305, 49-307

49-304 - 4-Blade Terminal Switch. Controls 1 motor without push to wash (without dynamic park)
49-305 - 5-Blade Terminal Switch. Controls 1 motor. Push to wash (without dynamic park)
49-307 - 7-Blade Terminal Switch, Controls 2 motors. Push to wash (without dynamic park)

49-404 - Reservoir w/pump & cap
49-905 - Cap only for M-1437 WPG-1401 - Washer pump with grommet only AV-19660 - Pigtail harness
49-907 - Reservoir with pump and cap AV-19660 - Pigtail harness

49-316 - 2-Speed Intermittent Wiper Switch. Controls 2 motors. Push to wash. Negative ground. 5.6" leads. Works with permanent magnet motors with dynamic park including United Technologies and Sprague Devices motors. Includes: switch, wire loom, butt connectors, single pin wire and instructions. Used on Thomas, Blue Bird and Ford. For replacement knob use 49-313.

49-904 - Reservoir w/pump & cap
49-905 - Cap only for M-1437 WPG-1401 - Washer pump with grommet only AV-19660 - Pigtail harness

49-493 - Wiper motor with 5-pin plug. Fits Grumman/Morgan Olson with Workhorse Custom Chassis.

Install Intermittent Wipers in your step van. Heavy Duty Switch with variable intermittent wiper using advanced electronics.

49-522 Arm Adjusts 13" - 18-1/2" 3/16" Saddle
49-508 Arm 20" Silver 3/16" Saddle

49-313 - Replacement Knob

49-105 Pivot Shaft with knurled driver.
49-251 Single Nozzle 90 Degree
49-254 Single Nozzle Straight
49-261 Single Jet Nozzle
49-219 Link 5-3/4" center to center

Visit us online for more detailed illustrations!

The new style switch contains everything needed to replace the old style that had diode jumpers as shown here.

The saddle is the "U" shaped channel that holds the blade

Install Intermittent Wipers in your step van. Heavy Duty Switch with variable intermittent wiper using advanced electronics.

49-000 - New Wiper Motor with 3/8" splined shaft. (Comes with lever 49-464) This motor is only used on 3 wire motor systems (though our motor has 5 wires, 2 are not used). Motor mount hole pattern on newer trucks may have to be elongated slightly for proper fit. Jumper on Plug.

49-004 - Wiper Motor with 3/8" splined shaft. Same as 49-000 except used on a 5 wire dynamic park motor systems. (Comes with lever 49-464). Ground wire goes from motor to casing Fits Morgan Olson Workhorse chassis & column mounted switch.

49-005 - Wiper Motor with 3/8" splined shaft. Same as 49-000 except used on dynamic park motor systems. (Order a new lever 49-464 when ordering this motor) Fits Morgan Olson. Only use with column mounted switch. Ground wire is included in 5 wire harness and in 5 pin plug.

49-006 - Wiper motor, 2 speed, Coast to Park, with 3/8" splined shaft. Used on trucks 1991 and newer. Call with your VIN number before ordering this motor. This motor has a hole pattern of 1-3/4" C to C. and comes with lever 49-464. Has three wires going to plug. White ground wire comes out of motor and grounds to motor gearbox casing. Popular on Morgan Olson with Workhorse Chassis and column mounted switch, but this is not always the case.

49-464 - Lever that fits Kurbmaster and Route Star with motor that mounts above windshield. One motor operates two wiper arms. 3/8" shaft hole. 49-450 - Same as 49-464 except with 5/16" shaft hole.

49-713 - 3/8" Acorn Nut Fits Morgan Olson Workhorse chassis & column mounted switch.
49-715 - 5/16" Acorn Nut
49-711 - Spring Clip

49-675 Wiper Motor Mounting Bracket (2pc) $20.89

49-315 Knob Only Fits: 49-304, 49-305, 49-307

49-304 - 4-Blade Terminal Switch. Controls 1 motor without push to wash (without dynamic park)
49-305 - 5-Blade Terminal Switch. Controls 1 motor. Push to wash (without dynamic park)
49-307 - 7-Blade Terminal Switch, Controls 2 motors. Push to wash (without dynamic park)

49-404 - Reservoir w/pump & cap
49-905 - Cap only for M-1437 WPG-1401 - Washer pump with grommet only AV-19660 - Pigtail harness
49-907 - Reservoir with pump and cap AV-19660 - Pigtail harness

49-493 - Wiper motor with 5-pin plug. Fits Grumman/Morgan Olson with Workhorse Custom Chassis.

Install Intermittent Wipers in your step van. Heavy Duty Switch with variable intermittent wiper using advanced electronics.

49-522 Arm Adjusts 13" - 18-1/2" 3/16" Saddle
49-508 Arm 20" Silver 3/16" Saddle

49-313 - Replacement Knob

49-105 Pivot Shaft with knurled driver.
49-251 Single Nozzle 90 Degree
49-254 Single Nozzle Straight
49-261 Single Jet Nozzle
49-219 Link 5-3/4" center to center

Visit us online for more detailed illustrations!

The new style switch contains everything needed to replace the old style that had diode jumpers as shown here.

The saddle is the “U” shaped channel that holds the blade

Install Intermittent Wipers in your step van. Heavy Duty Switch with variable intermittent wiper using advanced electronics.
WIPER PARTS that fit GRUMMAN/MORGAN

Conversion Kit for 1988-1997 ROUTE STAR

Each Kit will Include:
• Motor Bracket with special adaptor plate
• Pivot Shafts (2)
• Links
• Spring Clips (2)
• Filler Plugs for previous pivot shaft holes.
• Drilling Template
• 5' Wire Harness to extend to motor
• New lever to attach to your existing motor

1988-1997 Wiper parts that fit Route Star are not available. Our WCK-5 conversion kit that will convert your wiper system from below the windshield to above the windshield. This new system allows for easier repairs in the future.

Extension Hose Kit for Wet Arm
49-250 Extends your wet arm hose from below the windshield to our new WCK-5 kit above the windshield. Includes: hose, splicers, tees, & tubing clamps

FED-EX GROUND DUAL WIPER MOTOR

This is for a 2-Motor Wiper System

Complete Assemblies
Part No. Description
49-191 - Wiper motor
49-192 - Pivot shaft spacer
49-193 - Teardrop bulkhead fitting
49-194 - Installation nut, M30x12
49-523 - Wiper Arm (not included with assy)
49-492 - 24" Wiper Blade (not included with assy)

49-196 - Complete wiper assembly fits 93"-96" Bodies.
49-188 - Complete wiper assembly, fits 86"-88" Bodies.

Replacement Parts

For Newer 2-Motor Wiper System

49-144 - Wiper motor system where both motors are the same. Replaces Grumman # 47004144

UNITIZED WIPER SYSTEM

Complete Wiper Linkage & Motor Assembly on many 2007-On Morgan Olson.

Wiper Linkage & Motor Assembly

WIPER PARTS, ARMS, FITTINGS, & SWITCHES that fit ROUTE STAR

WIPER BLADES, ARMS, FITTINGS, & SWITCHES that fit ROUTE STAR

Visit us online for more detailed illustrations!

M-2361
Pantograph Adaptor Kit

49-240
Wet Arm Nozzle for Old Dyna Arm
Fits LH or RH

49-307
7-Blade Wiper Switch.
Control 2 motors. Push to wash (without dynamic park)

49-308
2-Speed Delay Wiper switch with 8-way male Packard connector.
Controls 2 motors. Popular on Fedex Ground. For coast-to-park wiper system. Uses knob 49-313 (included).

49-315
Knob Only fits 49-307 only

49-249
Wet Arm Kit Button Style

49-248
Wet Arm Replacement Hose and Nozzle Kit
Includes: hose, nozzle and tubing clamps
Used in replacement of a current wet arm kit or in conversion to a wet arm kit.

49-241
Wet Arm Nozzle for New Dyna Arm
Fits left or right

49-240
Wet Arm Nozzle for Old Dyna Arm
Fits LH or RH

Wiper motor system where both motors are the same.

49-523
20" Wiper Blade (not included with assy)

49-258
Wet Arm Kit Button Style

49-515
20" Wet Arm

49-516
22" Wet Arm

49-512
22" Dry Arm

49-552
20" Wiper Blade

49-554
22" Wiper Blade

49-512
22" Dry Arm

49-515
20" Wet Arm

49-516
22" Wet Arm

49-554
22" Wiper Blade

49-552
20" Wiper Blade

49-313 Knob Only, fits 49-308

49-305
5 Blade terminal Switch Controls 1 motor. Push to wash.

49-308
2-Speed Delay Wiper switch with 8-way male Packard connector.
Controls 2 motors. Popular on Fedex Ground. For coast-to-park wiper system. Uses knob 49-313 (included).

49-307
7-Blade Wiper Switch.
Control 2 motors. Push to wash (without dynamic park)

49-315
Knob Only fits 49-307 only

49-240
Wet Arm Nozzle for Old Dyna Arm
Fits LH or RH

49-241
Wet Arm Nozzle for New Dyna Arm
Fits left or right

49-258
Wet Arm Kit Button Style

49-552
20" Wiper Blade

49-554
22" Wiper Blade

49-305
5 Blade terminal Switch Controls 1 motor. Push to wash.

49-315
Knob Only fits 49-307 only

49-249
Wet Arm Kit Button Style

49-248
Wet Arm Replacement Hose and Nozzle Kit
Includes: hose, nozzle and tubing clamps
Used in replacement of a current wet arm kit or in conversion to a wet arm kit.

All manufacturers' names, numbers, and descriptions are used for reference purposes only. It is not implied that any part listed is the product of the original manufacturers or approved by any of these manufacturers.
INTERMITTENT WIPER PARTS available for your Utilimaster truck equipped with a Sprague, two motor system, from standard to intermittent wipers.

**49-080 - INTERMITTENT WIPER CONVERSION KIT**
Includes switch and harness to provide your driver with the control of intermittent wipers. No cutting or splicing necessary when connecting directly to our replacement motors and pre 1995 Sprague 2-motor system.

**WIPER PARTS**

- **Sprague Pivot Shafts**
  - 49-717 - Hardware Kit
  - Knurl, Nut, Washer

- **Sprague Pivot Shafts (use with 49-717 Hardware Kit)**
  - 49-130 - 3/8” short pin (use with 49-221)
  - 49-131 - 5/8” long pin (use with 49-223)

- **Sprague Pivot Shafts Pins**
  - 49-221 - w/brass bushing
  - 49-223 - w/ brass & plastic bushing

- **Sprague Wiper Links**
  - 49-460 - Lever w/long pin
  - 49-455 - Lever w/short pin

- **Sprague Hardware Kit**
  - 49-717

**INTERMITTENT WIPER CONVERSION KIT**
HELP “CUT THE CHATTER”

Convert your Utilimaster truck equipped with a Sprague, two motor system, from standard to intermittent wipers!

**49-080 - INTERMITTENT WIPER CONVERSION KIT**
Includes switch and harness to provide your driver with the control of intermittent wipers. No cutting or splicing necessary when connecting directly to our replacement motors and pre 1995 Sprague 2-motor system.

**WIPER ACCESSORIES**

- **49-125 - Pivot Shaft, Shaft Length 1-1/2”**
  - (fits Utilimaster Aeromate) uses a ball-type link mount.

- **49-254 - Nozzle**
- **M-2361 - Pantograph Adaptor Kit**
- **49-310 - 10-Blade Terminal Switch**
  - Controls two Motors. Push to wash (with dynamic park)

- **49-313 - Knob Only**
- **49-510 - Pantograph Black Wiper Arm, 1/2”**
- **49-554 - 22” Black Wiper Blade**
- **49-554 - 22” Saddle**
- **49-554 - 22” Saddle**

- **HF-20 - 20” Flat Wiper Blades**
  - 3/16” Saddle
  - Silver in color

**Mill Supply’s 1995 - 1996 Replacement Motor and Bracket (not OEM)**

- **49-007 - Motor and Bracket Assembly (Roadside)**
- **49-008 - Motor and Bracket Assembly (Curbside)**

**For complete motor and bracket assembly replacements**

Mill Supply has designed the kits below.

**Mill Supply’s Pre-1995 Replacement Motor and Bracket (not OEM)**

Replaces 2-Motor System Inside Cab

**Replacement Parts Available**

- **Wiper Motor**
- **Lever**
- **Pivot Shaft**
- **Link**
- **Bracket**
- **Spring Clip**

**Diagram of Harness plug**

**For complete motor and bracket assembly replacements**

Mill Supply has designed the kits below.

**Replacement Parts Available**

- **Wiper Motor**
- **Lever**
- **Pivot Shaft**
- **Link**
- **Bracket**
- **Wire Harness**
- **Spring Clips (2)**

This is not OEM but will replace a Sprague System.

**Diagram of Harness plug**

**WIPER ACCESSORIES**

- **49-125 - Pivot Shaft, Shaft Length 1-1/2”**
  - (fits Utilimaster Aeromate) uses a ball-type link mount.

- **49-254 - Nozzle**
- **M-2361 - Pantograph Adaptor Kit**
- **49-310 - 10-Blade Terminal Switch**
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**Mill Supply’s 1995 - 1996 Replacement Motor and Bracket (not OEM)**

Replaces 2-Motor System Inside Cab

**Replacement Parts Available**

- **Wiper Motor**
- **Lever**
- **Pivot Shaft**
- **Link**
- **Bracket**
- **Wire Harness**
- **Spring Clips (2)**

This is not OEM but will replace a Sprague System.

**Diagram of Harness plug**

All manufacturers’ names, numbers, and descriptions are used for reference purposes only. It is not implied that any part listed is the product of the original manufacturers or approved by any of these manufacturers.
Bosch/Preslite wiper components for 1997-2001. OE Utilimaster wiper systems are no longer available. None of the individual components listed here will replace or interchange with the OE component from Bosch or Preslite. The entire TRICO wiper kits we show (49-470 or 49-472) must be purchased if any of the OE Bosch or Preslite components fail. The replacement parts shown below will work if your truck already has a TRICO system.

### Narrow Body Utilimaster — 78.5” Body Width — Motor Under Hood

**49-472 - Complete Wiper Kit** - Includes wiper motor and new mounting bracket (49-484), all linkage, linkage hardware with pivot shafts (49-483), and 49-492 blades. Does not include wiper switch. Separate components listed below.

- **49-484** - Trico Wiper Motor with Mounting Bracket includes OEM wire harness plug. *Will not fit Bosch or Preslite, output shafts are different.*
- **49-491** - Wiper motor with 5-pin Packard plug. Fits 06-07 Utilimaster with Workhorse Custom Chassis.
- **49-488** - Wiper Linkage Kit
- **49-481** - Pivot Shaft Hardware
- **49-482** - Left Wiper Arm, wet with nozzle.
- **49-480** - Right Wiper Arm, wet with nozzle.
- **49-260** - Nozzle for Wiper Arm 49-480

### Wide Body Utilimaster — 86.5” - 93.5” Body Width — Motor Under Hood

**49-470 - Complete Wiper Conversion Kit** - Converts the original Preslite or Bosch wiper system. Includes wiper motor and new mounting bracket (49-484), all linkage, linkage hardware with pivot shafts (49-483), wiper arms (49-480/2), and blades (49-492). Does not include wiper switch. Separate components listed below.

- **49-484** - Trico Wiper Motor with Mounting Bracket includes OEM wire harness plug. *Can not be used with Bosch or Preslite linkage, output shafts are different.*
- **49-480** - Wet Wiper Arm w/nozzle, Used on both pivot shafts, fits left or right side.
- **49-491** - Wiper motor with 5-pin packard plug. Fits 06-07 Utilimaster with Workhorse Custom Chassis.

### Washer Pumps & Reservoir

- **49-910** - Reservoir with pump & cap
- **49-911** - Pump motor only
- **AV-19660** - Pigtail harness
- **45-600** - Intermittent Switch
- **49-314** - Wiper Switch on Turn Signal lever. Fits into 49-309
- **49-309** - Wiper Switch Assy on column. 2-Speed, no delay, no cruise. Fits 91-05 GM/Workhorse.
- **49-317** - Wiper Switch on turn signal lever with cruise and delay. Fits into 49-356.
- **49-356** - Wiper switch on column with cruise and 2-speed delay. Fits 2006-on Workhorse Chassis.

Visit us online for more detailed illustrations!
Mill Supply carries a variety of wiper parts. For specific vehicles see pages 161-165.

**PIVOT SHAFTS**

49-105 (fits Grumman above windshield only, except unitized system)

49-108 Shaft Length 5/8” (fits FEDEX ground)

49-115 Shaft Length 1”
49-124 Shaft Length 1-1/4”

49-112 Shaft Length 2”

49-108 Shaft Length 5/8” (fits FEDEX ground)

49-121 Shaft Length 3”

49-125 Pivot Shaft, Shaft Length 1-1/2” (fits Utilimaster Aeromate) uses a ball-type link mount. (Add Hardware kit 49-717)

49-717 Hardware Kit with Knurl, Nut & Washer.

**LINKS**

center to center (C-C)

49-211 - Length: 14-21/32” C-C
49-213 - Length: 12-13/16” C-C
49-215 - Length: 8-25/32” C-C

49-219 - Length: 5-3/4” C-C
49-217 - Length: 3-3/8” C-C
49-221 - Length: 3-1/4” C-C
49-223 - Length: 3-3/16” C-C

**DRIVE ARM LEVERS**

For Double Links

Two links mount to this lever

For Single Links

One link mounts to this lever

<table>
<thead>
<tr>
<th>Levers with 5/16” hole</th>
<th>Levers with 3/8” hole</th>
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<tbody>
<tr>
<td>Part #</td>
<td>Hole Size</td>
</tr>
<tr>
<td>49-405</td>
<td>5/16”</td>
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<tr>
<td>49-410</td>
<td>5/16”</td>
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<tr>
<td>49-415</td>
<td>5/16”</td>
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<td>49-420</td>
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<td>3/8”</td>
</tr>
<tr>
<td>49-469</td>
<td>3/8”</td>
</tr>
</tbody>
</table>

49-430 - Lever with double ‘D’ hole for single link

OE Part Numbers are located on the back of the shaft arm. We can confirm you are ordering the correct pivot shaft with that number.
WET ARM WASHER KIT

Convert your washer system to spray directly off the moving wiper arm. This system always sprays the window in the right place keeping a clear view. The kits shown below are conversions for Grumman/Morgan Olson’s two styles of spray patterns. M-1536 starts from the center of the two windows. M-1537 starts from the bottom centers of both windows.

**Kits include all necessary hardware for a complete conversion.**

**Kits Include:** hose, connectors, grommets and all miscellaneous hardware for complete installation

WIPER SWITCHES

- **49-304** - 4-Blade Terminal Switch. Controls 1 motor. Without push to wash (without dynamic park)
- **49-305** - 5-Blade Terminal Switch, Controls 1 motor. Push to wash (without dynamic park)
- **49-307** - 7-Blade Terminal Switch, Controls 2 motors. Push to wash (without dynamic park)
- **49-304** - 3-Blade Terminal Switch. Uses 43521 pigtail
- **49-303** - 3-Blade Terminal Switch. Fits 2006-on Workhorse Chassis.
- **M-1537** - Starts from the bottom centers of both windows (7 foot of hose)

**Q.** What is the difference between coast-to-park and dynamic park motors?

**A.** After they are turned off by a switch, motors with an automatic park feature will continue to run until they reach their predetermined park position at one end of the sweep pattern or the other. They will then shut themselves off. On coast-to-park motors, the power is internally disconnected and they “coast” to a stop because the motor brushes are de-energized. On dynamic park motors, when the motor reaches that assigned park position, the motor electrically locks itself in the park position. The park position is consistent each time on a dynamic park motor. The park position may vary several degrees with a coast-to-park motor. Dynamic park requires specific motors, switches, and wiring circuits.
WIPER ARMS

*PANTOGRAPH ARMS - WET*

800-888-5072 • MillSupply.com

**WIPER ARMS**

- Wiper arm length is measured from center of shaft mount hole to center of blade mount hole.
- The saddle is the “U” shaped channel that holds your blade.

**WIPER BLADES (SADDLE STYLE)**

These blades mount “saddle style” that bolt through the arm and blade.

**Rigid Blade**

- 3/16” Saddle
  - HF-16 - 16”
  - HF-18 - 18”
  - HF-20 - 20”
  - HF-22 - 22”

**Black Flex Blade**

- 3/16” Saddle
  - M-1616 - 16”
  - M-1618 - 18”
  - M-1620 - 20”
- 1/2” Saddle
  - M-1716 - 16”
  - M-1718 - 18”

**Winter Flex Blade**

- 1/2” Saddle
  - M-1750 - 18”
  - M-1755 - 20”
  - M-1754 - 22”

**Black Flex Blade**

- 1/2” Saddle
  - M-4950 - 18”
  - M-4952 - 20”
  - M-4954 - 22”

**All Black Arms with Tapered Knurl**

- Fits all Saddle Type Wiper Blades

**Radiation Arms**

- WET
  - 49-411 - 14”
  - 49-412 - 16”
  - 49-413 - 18”
  - 49-414 - 20”
  - 49-415 - 22”
  - 49-416 - 24”
  - 49-417 - 28”

- DRY
  - 49-411 - 14”
  - 49-412 - 16”
  - 49-413 - 18”
  - 49-414 - 20”
  - 49-415 - 22”
  - 49-416 - 24”
  - 49-417 - 28”

**Wiper Arms and Blades**

Mill Supply Carries all size Wiper Arms and Blades

- All Black Arms with Tapered Knurl
- Fits all Saddle Type Wiper Blades

**PANTOGRAPH ARMS - DRY**

- Fits Saddle Style Blades

**PANTOGRAPH ARMS - WET**

- Fits Saddle Style Blades

**RADIAL ARMS - DRY**

- Fits Saddle Style Blades

**RADIAL ARMS - WET**

- Fits Saddle Style Blades

**Winter Flex Blade**

- Uses clip or pin connector

- Used on Car, PU and Medium Duty Trucks

**Black Flex Blade**

- 1/2” Saddle
  - 49-547 - 12”
  - 49-548 - 14”
  - 49-549 - 16”
  - 49-550 - 18”
  - 49-552 - 20”
  - 49-554 - 22”
  - 49-555 - 24”
  - 49-556 - 26”
  - 49-557 - 28”
  - 49-558 - 30”
  - 49-559 - 32”

**Fits Saddle Style Blades**

- Shown on this Page

All manufacturers’ names, numbers, and descriptions are used for reference purposes only. It is not implied that any part listed is the product of the original manufacturers or approved by any of these manufacturers.

Silver 13” to 18.5”

Adjustable Wiper Arm with 3/16” Saddle.

49-522

Has tapered pivot shaft mount with hole going through top.

Fits older Grumman Olsons

49-524

Has straight pivot shaft mount. Fits on 5/8” straight knurl. Popular in UCBC.
**REPLACEMENT WASHER PUMPS & RESERVOIRS**

- **49-904** - Reservoir with pump and cap
- **49-905** - Cap only for 49-904
- **WPG1401** - Washer pump with grommet
- **AV-19660** - Pigtail harness
  - 1 gallon capacity
  - Mounts flush to flat surface with grounding grommet
  - Mounting hole centers at 7-3/4" Wide x 6-1/2" High

- **49-910** - Reservoir with pump and cap
- **49-911** - Pump Motor for 49-910

**AV-19660** - Pigtail harness
- 1 gallon capacity
- Mounts flush to flat surface
- No grounding grommet
- Overall Dimensions 8-5/8" Wide x 11-1/4" High

- **49-907** - Reservoir with pump and cap
- **AV-19660** - Pigtail harness
  - 70 oz. capacity
  - Mounts flush to a flat surface
  - Grounding grommet built in
  - 4 mounting bolts
  - Mounting hole centers at 3-5/8" Wide x 6-1/2" High

- **49-916** - 12" tall washer reservoir for inside of cab. 1 gallon capacity. 12" x 7" x 7". Popular on Utilimaster.
- **49-911** - Pump Motor for 49-916

- **49-917** - Pump & grommet, fits UCBC. Uses original Packard connector plug.

**SUN VISORS**

- **49-854** - Visor with Telescopic Arm
  - Measures 6" x 17"
  - Telescopic design lets you position this visor just about anywhere. The arm extends from 8-1/2" to 14" with ball studs on either end. Foam padded black naugahyde with black vinyl binding.

- **49-858** - Visor
  - Measures 6" x 28"
  - Large, sturdy visor made of transparent smoke colored acrylic plastic. Easily adjusted to block the sun rays. Looks good in any walk-in van.

- **49-864** - Visor
  - Measures 8" x 30"
  - Replacement visor that fits Union City Body. Extra large for extra protection from the sun's rays. Transparent smoke colored acrylic plastic.

- **49-868** - Visor
  - Measures 7-1/4" x 35-3/8"
  - Replacement visor that fits 1989 to current Morgan Olson Route Star. Black padded.

- **49-869** - Visor
  - Measures 8" x 25"
  - Replacement visor that fits Morgan Olson Route Mate. Black vinyl.

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**All manufacturers' names, numbers, and descriptions are used for reference purposes only. It is not implied that any part listed is the product of the original manufacturers or approved by any of these manufacturers.**