



# W.B. MASON

FOR OFFICE SUPPLIES, FURNITURE & PRINTING



## 2016 Body Labor Time Guide



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## W. B. Mason Delivery Vehicle Morgan Olson Body Labor Time Guide

|                                     | Page |
|-------------------------------------|------|
| Table of Contents                   | 3    |
| Hood & Windshield Rail Installation | 4    |
| Windshield Frame & Glass            | 5    |
| Windshield Washer * Wipers          | 5    |
| Dash Panel Assembly                 | 5    |
| Drivers Seat                        | 6    |
| Engine Box Installation             | 6    |
| Heater Assembly / Air Conditioning  | 6    |
| Instrument Panel Installation       | 7    |
| Step assembly - Left/Right Sides    | 7    |
| Roof Assembly                       | 7    |
| Side Assembly                       | 8    |
| Floor Assembly                      | 8    |
| Back Assembly                       | 9    |
| Side Sliding Door                   | 9    |
| Door - Rear Roll Up                 | 10   |
| Front & Rear Bumper Assembly        | 10   |
| Electrical                          | 11   |
| Sun Visor                           | 11   |
| Mirrors                             | 11   |
| Ventilators                         | 11   |
| Paint Guide                         | 12   |

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## W. B. Mason Delivery Vehicle Morgan Olson Body Labor Time Guide

| <b>Hood &amp; Windshield Rail</b> |                                 | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
|-----------------------------------|---------------------------------|------------|---------------|----------------|
| 1.                                | Hood & Hinges                   | 1          | .3            | .5             |
| 2.                                | Hood Skirt - Left               | 1          | .3            | .5             |
| 3.                                | Hood Skirt - Right              | 1          | .3            | .5             |
| 4.                                | Hood Casting - Left             | 1          | .2            | .3             |
| 5.                                | Hood Casting - Right            | 1          | .2            | .3             |
| 6.                                | Cab Skirt - Left                | 1          | 1.0           | 1.5            |
| 7.                                | Cab Skirt - Right               | 1          | 1.0           | 1.5            |
| 8.                                | Hood Hinge                      | 2          | .2            | .2             |
| 9.                                | Windshield Rail Assembly        | 1          | 2.0           | 2.5            |
| 10.                               | Windshield Rail Casting - Left  | 1          | .6            | .7             |
| 11.                               | Windshield Rail Casting - Right | 1          | .6            | .7             |
| 12.                               | Splash Pan - Verticle Right     | 1          | .2            | .2             |
| 13.                               | Splash Pan - Verticle Left      | 1          | .2            | .2             |
| 14.                               | Splash Pan - Forward - Right    | 1          | .2            | .2             |
| 15.                               | Splash Pan - Forward - Left     | 1          | .2            | .2             |
| 16.                               | Gas Spring                      | 1          | .1            | .1             |
| 17.                               | Side Latch                      | 1          | .1            | .1             |

Measured in Hours

## W. B. Mason Delivery Vehicle Morgan Olson Body Labor Time Guide

| <b>Windshield Frame &amp; Glass</b> |                           | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b>    |
|-------------------------------------|---------------------------|------------|---------------|-------------------|
| 1.                                  | Windshield Frame - Left   | 1          | .4            | .8                |
| 2.                                  | Windshield Frame - Right  | 1          | .4            | .8                |
| 3.                                  | Windshield Center Post    | 1          | .3            | .3                |
| 4.                                  | Stiffener                 | 1          | .2            | .2                |
| 5.                                  | Gusset to Stiffener       | 1          | .2            | .2                |
| 6.                                  | Windshield Glass - Front  | 1          | .1            | .3                |
| 7.                                  | Windshield Glass - Side   | 1          | .1            | .2                |
| 8.                                  | Harness - Front           | 1          | .1            | .1                |
| 9.                                  | Harness - Side            | 1          | .1            | .1                |
| <br>                                |                           |            |               |                   |
| <b>Windshield Washer/Wipers</b>     |                           | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b>    |
| 1.                                  | Reservoir with Pump       | 1          | .2            | .3                |
| 2.                                  | Windshield Wiper Assembly | 1          | .4            | .6                |
| 3.                                  | Windshield Wiper Arm      | 2          | .1            | .1                |
| 4.                                  | Windshield Wiper Blade    | 2          | .1            | .1                |
| 5.                                  | Windshield Wiper Bracket  | 1          | .2            | .3                |
| 6.                                  | Tee - to Washer           | 2          | .1            | .1                |
| <br>                                |                           |            |               |                   |
| <b>Dash Panel Assembly</b>          |                           | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b>    |
| 1.                                  | Toe Board - Right         | 1          | 1.0           | 2.0               |
| 2.                                  | Dash - Center             | 1          | .4            | .5                |
| 3.                                  | Dash Panel - Adaptor Left | 1          | .3            | .4                |
|                                     |                           |            |               | Measured in Hours |

## W. B. Mason Delivery Vehicle Morgan Olson Body Labor Time Guide

| <b>Drivers Seat</b>            |                      | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
|--------------------------------|----------------------|------------|---------------|----------------|
| 1.                             | Hi-Back Seat         | 1          | .1            | .2             |
| 2.                             | Upper Pedestal Brace | 1          | .1            | .2             |
| 3.                             | Seat Pedestal        | 1          | .1            | .2             |
| 4.                             | 3-Point Seat Belt    | 1          | .1            | .2             |
| 5.                             | Seat Socket          | 1          | .7            | .7             |
| <b>Engine Box Installation</b> |                      | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
| 1.                             | Engine Box Assembly  | 1          | .1            | .1             |
| a.                             | Latch                | 1          | .1            | .1             |
| b.                             | Seal Trim            | 1          | .2            | .2             |
| 2.                             | Floor Plate          | 1          | .1            | .3             |
| <b>Heater Assembly</b>         |                      | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
| 1.                             | Heater Core          | 1          | .6            | .6             |
| 2.                             | Blower Motor         | 1          | .3            | .3             |
| 3.                             | Plenum               | 1          | .5            | .5             |
| 4.                             | Defroster Diffuser   | 1          | .1            | .1             |
| 5.                             | Resistor             | 1          | .1            | .1             |
| 6.                             | Heater Switch        | 1          | .1            | .1             |
| 7.                             | Heater Valve         | 1          | .2            | .2             |
| <b>Air Conditioning</b>        |                      | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
| 1.                             | Freon / Change       | 1          | .9            | .9             |
| 2.                             | Evaporator           | 1          | 1.0           | 1.0            |
| 3.                             | Lines                | EA         | .2            | .2             |
| 4.                             | Expansion valve      | 1          | .3            | .3             |
| 5.                             | Receiver / Drier     | 1          | .75           | .75            |

Measured in Hours

## W. B. Mason Delivery Vehicle Morgan Olson Body Labor Time Guide

| <b>Instrument Panel</b>                     |                                | <b>QTY</b>     | <b>REMOVE</b>     | <b>REPLACE</b>     |
|---|--------------------------------|----------------|-------------------|--------------------|
| 1.  | Instrument Panel & Support     | 1              | .8                | 1.0                |
| 2.  | Control Panel                  | 1              | .1                | .2                 |
| 3.  | Dash Board Lamps               | 2              | .1                | .2                 |
| 4.  | Windshield Washer Switch       | 1              | .1                | .2                 |
| 5.  | Knob                           | 1              | .1                | .1                 |
| <br><b>Step Assembly - Left &amp; Right</b> |                                | <br><b>QTY</b> | <br><b>REMOVE</b> | <br><b>REPLACE</b> |
| 1.  | Step Assembly - Left           | 1              | 1.0               | 1.5                |
| 2.  | Step Assembly - Right          | 1              | 1.0               | 1.5                |
| <br><b>Roof Assembly</b>                    |                                | <br><b>QTY</b> | <br><b>REMOVE</b> | <br><b>REPLACE</b> |
| 1.  | Roof Skin                      | 1              | 2.0               | 5.0                |
| 2.  | Roof Nosing                    | 1              | 1.5               | 1.8                |
| 3.  | Roof Corner - Left Front       | 1              | .3                | .4                 |
| 4.  | Roof Corner - Right Front      | 1              | .3                | .4                 |
| 5.  | Lamp Marker                    | 1              | .2                | .2                 |
| 6.  | Lamp Identification            | 1              | .2                | .2                 |
| 7.  | Roof to Side Panel - Left      | 1              | 2.0               | 2.5                |
| 8.  | Roof to Side Panel - Right     | 1              | 2.0               | 2.5                |
| 9.  | Roof Bow @ O-Line              | 1              | .5                | .6                 |
| 10.   | Roof to Side Interlock - Left  | 1              | 1.0               | 1.5                |
| 11.   | Roof to Side Interlock - Right | 1              | 1.0               | 1.5                |
| 12.   | Roof Nosing Interlock          | 1              | .2                | .3                 |
| 13.   | Roof Transom Interlock         | 1              | .5                | .7                 |
| 14.   | Roof Liner Front               | 1              | 1.5               | 1.5                |

Measured in Hours

## W. B. Mason Delivery Vehicle Morgan Olson Body Labor Time Guide

| <b>Instrument Panel</b> |   | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
|-------------------------|---|------------|---------------|----------------|
| 1.                      | Upper Side Panel - Left/Right Side                | 1          | 2.0           | 3.0            |
| 2.                      | Lower Side Panel - Left/Right Side                | 1          | 1.5           | 2.0            |
| 3.                      | Rub Rail  | 1          | .8            | 1.0            |
| 4.                      | Rub Rail Cap - Front                              | 1          | .2            | .2             |
| 5.                      | Rub Rail Cap - Rear                               | 1          | .2            | .2             |
| 6.                      | Forward "B" Post - Right/Left Side                | 1          | .3            | .4             |
| 7.                      | Stiffener - Front/Rear                            | 1          | .2            | .3             |
| 8.                      | Stiffener Over Wheel Box                          | 1          | .2            | .3             |
| 9.                      | Door Pocket Casting - Upper                       | 1          | .1            | .2             |
| 10.                     | Door Pocket Casting - Lower                       | 1          | .1            | .2             |
| 11.                     | Side Door   | 1          | .1            | .2             |
| 12.                     | Upper Track - Left/Right Side                     | 1          | .3            | .4             |
| 13.                     | Door Pockets - Left/Right Side                    | 1          | .6            | 1.0            |
| 14.                     | Forward Door Post                                 | 1          | .4            | .7             |
| 15.                     | Door Pocket Channel                               | 1          | .3            | .5             |
| 16.                     | Header Channel                                    | 1          | .3            | .5             |
| <br>                    |   |            |               |                |
| <b>Floor Assembly</b>   |   | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
| 1.                      | Drop Sill Assembly                                | 1          | .7            | .9             |
| 2.                      | Wheelbox Assembly Left/Right Side                 | 1          | .5            | .6             |
| 3.                      | Floor/Side Angle at Door Pocket - Left/Right Side | 1          | .2            | .3             |
| 4.                      | Forward Floor to Side Angle - Left/Right Side     | 1          | .3            | .4             |
| 5.                      | Rear Floor to Side Angle - Left/Right Side        | 1          | .2            | .3             |
| 6.                      | Rear Floor Panel                                  | 1          | .2            | .5             |
| Measured in Hours       |   |            |               |                |



## W. B. Mason Delivery Vehicle Morgan Olson Body Labor Time Guide

| <b>Back Assembly</b>     |                                 | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
|--------------------------|---------------------------------|------------|---------------|----------------|
| 1.                       | Back Panel - Left Side          | 1          | 1.0           | 1.2            |
| 2.                       | Back Panel - Right Side         | 1          | 1.0           | 1.2            |
| 3.                       | Corner Guard - Left             | 1          | .2            | .2             |
| 4.                       | Corner Guard - Right            | 1          | .2            | .2             |
| 5.                       | Jamb Post - Left/Right Side     | 1          | .3            | .3             |
| 6.                       | Transom Assembly                | 1          | 1.4           | 1.9            |
| a.                       | Corner Casting - Left           | 1          | .4            | .5             |
| b.                       | Corner Casting - Right          | 1          | .4            | .5             |
| c.                       | Transom Extrusion               | 1          | .6            | .9             |
| 7.                       | Rear Sill                       | 1          | .6            | 1.2            |
| 8.                       | Clip Angle Floor to Post        | 1          | .1            | .2             |
| 9.                       | Rear Lamp Guard - Left Side     | 1          | .2            | .2             |
| 10.                      | Rear Lamp Guard - Left Side     | 1          | .2            | .2             |
| <br>                     |                                 |            |               |                |
| <b>Side Sliding Door</b> |                                 | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
| 1.                       | Side Door Assembly - Left Side  | 1          | .3            | .3             |
| 2.                       | Side Door Assembly - Right Side | 1          | .3            | .3             |
| 3.                       | Window                          | 1          | .3            | .3             |
| 4.                       | Inner Panel                     | 1          | .3            | .3             |
| 5.                       | Coated Wear Strip               | 1          | .2            | .2             |
| 6.                       | Hanger Assembly                 | 1          | .3            | .3             |
| 7.                       | Forward Door Seal               | 1          | .1            | .1             |
| 8.                       | Black Brush Seal                | 1          | .1            | .1             |
| 9.                       | Latch                           | 1          | .2            | .3             |
| 10.                      | Latch Adjust                    | 1          | .1            | -              |
| Measured in Hours        |                                 |            |               |                |

## W. B. Mason Delivery Vehicle Morgan Olson Body Labor Time Guide

| <b>Door - Rear Roll-Up</b>              |                       | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
|---|-----------------------|------------|---------------|----------------|
| 1.                                      | Door Assembly         | 1          | .3            | .7             |
| 2.                                      | Roller                | 1          | .2            | .4             |
| 3.                                      | Seal - Verticle       | 1          | .1            | .2             |
| 4.                                      | Seal - Horizontal     | 1          | .1            | .2             |
| 5.                                      | Cable - Left Side     | 1          | .2            | .3             |
| 6.                                      | Cable - Right Side    | 1          | .2            | .3             |
| 7.                                      | Strap                 | 1          | .1            | .1             |
| 8.                                      | Handle                | 1          | .1            | .1             |
| 9.                                      | Spring                | 1          | .2            | .3             |
| 10.                                     | Spring Keeper         | 1          | .1            | .1             |
| 11.                                     | Track Assembly        | -          | .3            | .4             |
| 12.                                     | Hinge                 | 1          | .1            | .2             |
| 13.                                     | Maximum Security Lock | 1          | .2            | .3             |
| 14.                                     | Top Door Panel        | 1          | .2            | .3             |
| 15.                                     | All Other Door Panels | 1          | .2            | .4             |
| <b>Front &amp; Rear Bumper Assembly</b> |                       |            |               |                |
|   |                       | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b> |
| 1.                                      | Rear Bumper Assembly  | 1          | .3            | .4             |
| 2.                                      | Front Bumper Assembly | 1          | .3            | .4             |
| Measured in Hours                       |                       |            |               |                |

## W. B. Mason Delivery Vehicle Morgan Olson Body Labor Time Guide

| <b>Electrical</b>  |                                | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b>    |
|--------------------|--------------------------------|------------|---------------|-------------------|
| 1.                 | Windshield Wiper Motor         | 1          | .2            | .3                |
| 2.                 | Parking Lamps/Tail Lamps       | 1          | .1            | .1                |
| 3.                 | Head Lamps/Clearance/ICC Lamps | 1          | .2            | .2                |
| 4.                 | Dome Lamps                     | 1          | .1            | .1                |
| 5.                 | Dome Lamp Switch               | 1          | .1            | .1                |
| 6.                 | Front Harness                  |            |               |                   |
| a.                 | Roof Nosing Harness            | 1          | .3            | .3                |
| b.                 | Instrument Panel Harness       | 1          | .5            | .5                |
| 9.                 | Rear Harness                   | 1          | .3            | .3                |
| 10.                | Roof Harness                   | 1          | .5            | .5                |
|                    |                                |            |               |                   |
| <b>Sun Visor</b>   |                                | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b>    |
| 1.                 | Sun Visor Installation         | 1          | .2            | .2                |
|                    |                                |            |               |                   |
| <b>Mirrors</b>     |                                | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b>    |
| 1.                 | Mirror Assembly                | 1          | .2            | .2                |
| 2.                 | Mirror Head                    | -          | .1            | .1                |
|                    |                                |            |               |                   |
| <b>Ventilators</b> |                                | <b>QTY</b> | <b>REMOVE</b> | <b>REPLACE</b>    |
| 1.                 | 2 Way Hingeless                | 1          | .3            | .3                |
|                    |                                |            |               | Measured in Hours |

## W. B. Mason Delivery Vehicle Morgan Olson Body Labor Time Guide PAINT

| <b>Roof</b>                |                                 | <b>QTY</b> | <b>PARTIAL</b> | <b>COAT</b> | <b>REFINISH</b> |
|----------------------------|---------------------------------|------------|----------------|-------------|-----------------|
| 1.                         | Roof to Side Rail               | 1          | .5             | .6          | .7              |
| 2.                         | Roof Nosing                     | 1          | .3             | .4          | .5              |
| 3.                         | Roof Nose Casting               | 1          | -              | .4          | .5              |
| <b>Upper Side</b>          |                                 | <b>QTY</b> | <b>PARTIAL</b> | <b>COAT</b> | <b>REFINISH</b> |
| 1.                         | Upper Side                      | 1          | .5             | 2.0         | 2.5             |
| 2.                         | Header Panel                    | 1          | .5             | .5          | .5              |
| 3.                         | "B" Post (Front Side Stiffener) | 1          | .5             | .5          | .6              |
| 4.                         | Rub Rail Cap                    | 1          |                | .4          | .5              |
| <b>Lower Side</b>          |                                 | <b>QTY</b> | <b>PARTIAL</b> | <b>COAT</b> | <b>REFINISH</b> |
| 1.                         | Lower Side                      | 1          | .5             | .5          | 2.0             |
| 2.                         | Rub Rail                        | 1          | .5             | .5          | .6              |
| <b>Cab Skirt</b>           |                                 | <b>QTY</b> | <b>PARTIAL</b> | <b>COAT</b> | <b>REFINISH</b> |
| 1.                         | Cab Skirt                       | 1          | .5             | .6          | .8              |
| 2.                         | Skirt Tail                      | 1          | -              | .3          | .3              |
| 3.                         | Casting                         | 1          | -              | .4          | .5              |
| 4.                         | Forward Door Post               | 1          | .5             | .5          | .6              |
| <b>Rear Door - Roll-Up</b> |                                 | <b>QTY</b> | <b>PARTIAL</b> | <b>COAT</b> | <b>REFINISH</b> |
| 1.                         | Rear Door - Roll-Up             | 1          | .5             | 1.0         | 1.5             |
| 2.                         | Rear Transom                    | 1          | .5             | .6          | .7              |
|                            |                                 | <b>QTY</b> | <b>PARTIAL</b> | <b>COAT</b> | <b>REFINISH</b> |
|                            | <b>Hood</b>                     | 1          | .5             | .5          | .7              |
|                            | <b>Side Door</b>                | 1          | .5             | .9          | 1.2             |
|                            | <b>Back Panel</b>               | 1          | .5             | .7          | 1.0             |
|                            | <b>Windshield Frame</b>         | 1          | .5             | .6          | .7              |
|                            | <b>Windshield Rail</b>          | 1          | .5             | .6          | .7              |
|                            | <b>Windshield Rail Casting</b>  | 1          | -              | .4          | .5              |
|                            | <b>Rear Sill</b>                | 1          | .5             | .5          | .5              |