AM Equipment

Windshield Wiper Questionnaire

For 3-Pieces of Glass or Less
(For more than 3 pieces of glass, fill out an additional Questionnaire)

Project Name* _____

Contact Name* _____

Company _____

Type of Application* _____

Projected Order Volume* _____

Email* _____

Phone* _____

1. **Desired Parts Summary**

   Wiper Arms Qty._____

   Wiper Blades Qty._____

   Wiper Motors Qty._____

   -Select the total number of wiper arms, wiper blades and wiper motors you would like per vehicle.

   -**Note:** The total number of vehicles should be in the *Projected Order Volume* above.

   -**Note:** The number of arms and blades that can be operated by one motor varies depending on the application.

Comments:_____

2. **Power Supply**

   ○ 12V DC

   ○ 24V DC

   ○ Other_____

   -What voltage will be supplied to the wiper motor(s) for your application?

Comments:_____

3. **Electrical Options**

- ◯ Dynamic Park w/ 5 Wires
- ◯ Coast to Park w/ 3 Wires

-Both options will park the wiper the same way.

~Coast to park is simpler to install.

~Dynamic park may be required for large wiper systems.

Comments:_____

4. **Motor Options with Additional Features**

- ◯ MotionSync Wiper Motor
- ◯ CAN Bus Wiper Motor
- ◯ Neither

-A standard DC wiper motor will be used if "Neither" is selected.

~MotionSync wiper motors allow for the synchronization of multiple wiper arms.

~CAN bus wiper motors allow CAN bus communication with the wiper system.

Comments:_____

5. **Motor Location**

- ◯ Above Windshield
- ◯ Below Windshield
- ◯ No Preference

-Do you want/Does your wiper system mount above or below the glass?

Comments:_____

6. **Switch Options**

- ◯ No Switch Required
- ◯ Help Me Choose

-Select "Help me choose" to have AM Equipment help choose the switch.

-Select "No switch required" to use your own switch.

-Note: Using your own switch may increase wiring installation difficulty.

Comments:_____

7. **Bulkhead Thickness_____**

-What is the distance from the inside to the outside of the bulkhead, where the pivot hole(s) are located? (Or plan to be located)
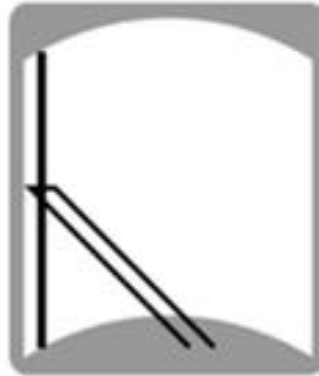
Comments:_____

8. **Sweep Pattern Options**

○ Radial

○ Pantograph

○ No Preference

Radial

A radial sweep pattern is arced, using one arm for each blade, and is common for glass that is wider than it is tall.

Pantograph

A pantograph sweep pattern uses two linked arms attached to one blade which stays parallel to the side of the glass. It is more common for glass that is narrower than it is tall.

9. **Washer System**

○ 1.5 Liter

○ 4 Quart

○ 4.25 Liter

○ 10 Liter

○ No Washer System

-Select the volume of washer fluid bottle you would like or select "No Washer System."

Comments: _____

10. **Do you have 3D CAD of the vehicle?**

○ Yes

○ No

-If Yes, please provide a .STEP file of the relevant 3D CAD.

-Examples: Glass, cowl, mounting surfaces, possible interfering components, etc.

Comments: _____

11. Fill out a column below for each piece of glass for your application. Ex. (For one window, fill out only column #1. For two windows, fill out column #1 and #2.)

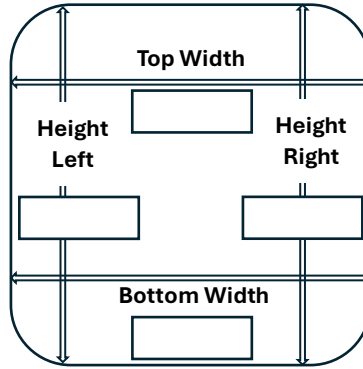   **-Note:** If glass geometry is complex, please include pictures with this questionnaire if possible.
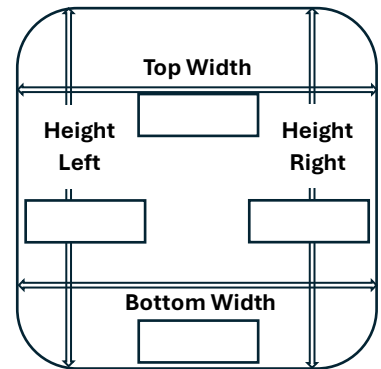
Glass Dimensions
From inside edges of molding

Window #1

Top Width

Height Left

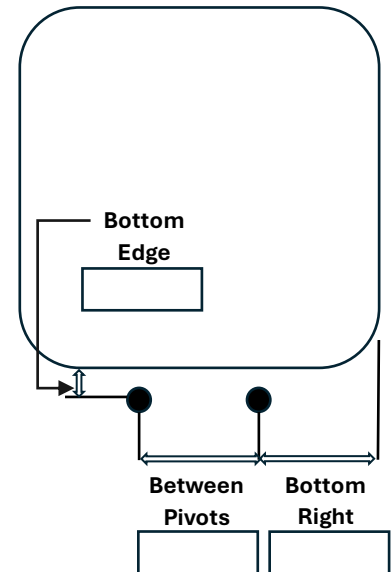Height Right

Bottom Width

Window #2

Top Width

Height Left

Height Right

Bottom Width

Window #3

Top Width

Height Left

Height Right

Bottom Width
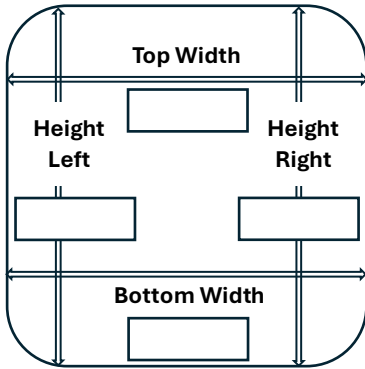
Pivot Shaft Distances
Center of pivot shaft to inside edge of molding
Note: For one pivot, only enter Bottom Right dimension
Note: If pivot shaft(s) are at the top of the window, make measurements to top edge and top right.

Bottom Edge

Between Pivots

Bottom Right

Bottom Edge

Between Pivots

Bottom Right

Bottom Edge

Between Pivots

Bottom Right
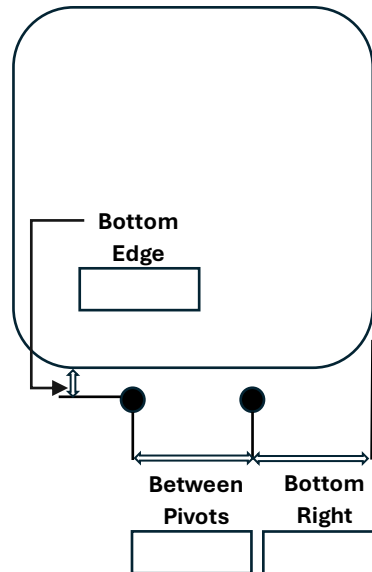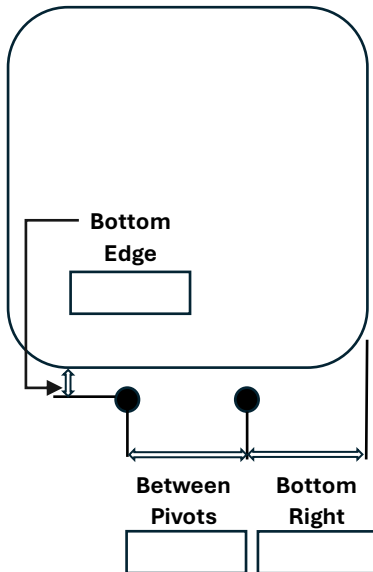
Free Sketch Area
This space is for communicating anything you would like

12. **Select the desired park position for each piece of glass.** Ex. (For one window, select one bubble in column #1. For two windows, select one bubble in column #1 and one bubble in column #2.) (If you have multiple arms per window, the park position selected will be used for both arms.) **Note:** Not all park positions are possible for every application. AM Equipment will provide an alternative if your desired park position is impossible.

Window #1	Window #2	Window #3

○ No preference   ○ No preference   ○ No preference