

STARCRAFT BUS 
a division of Forest River, Inc.

**2007-2008
Ford AllStar
OWNERS, PARTS, WIRING
AND SERVICE MANUAL**



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Document Information

Manual Title: **Seating Information**

MD No.: **01-15-06 Allstar Ford IMI 01**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/08/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Seating
Torque Specs

Critical Process No.
Process No.

Item No.

SUGGESTED DAILY/WEEKLY INSPECTION/MAINTENANCE CHECK LIST

DATE: _____

PART	SUGGESTED MAINTENANCE	TORQUE SPECIFICATIONS
1	Drivers seat to slide tracks	13 ft lbs.
2	Drivers slide tracks to pedestal	26-33 ft lbs.
3	Driver pedestal to floor studs	35-45 ft lbs.
4	Passenger seat to baseplate, 4 nuts per seat	13 ft lbs.
5	Passenger seat T - leg to front bolts of base plate (2 bolts)	15 ft lbs.
6	Passenger seat T - leg to rear bolts of base plate (2 bolts)	60 ft lbs.
7	Passenger seat T - leg to seat track (3 bolts) 7/16 - 14 GRADE 8	45-50 ft lbs.
8	Ford Front belt anchor to stepwell	26-33 ft lbs.
9	Ford seat belt retractor to B-pillar	26-33 ft lbs.
10	Ford seat belt D nut to wall plate.	26-33 ft lbs.
11	Ford adjustable latch plate to B-pillar	26-33 ft lbs.
12	Seat belt to Freedman baseplate	17-21 ft lbs.
13	Baseplate to Perf wall angle (2bolts) 3/8" - 16 GRADE 8	25-30 ft lbs.

***Refer to these specifications when ever removing and replacing any seating component.

Document Information

Manual Title: **Seating Information**

MD No.: **10-08-11-07**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/08/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

DRIVER SEAT Critical Process No. **1**
Process No. **1**

Item No. **1**



DRIVER SEAT		PART NUMBER
1	Driver Seat	OEM
2	Driver Seat Belt	OEM

REAR SEAT BELTS OPTIONAL

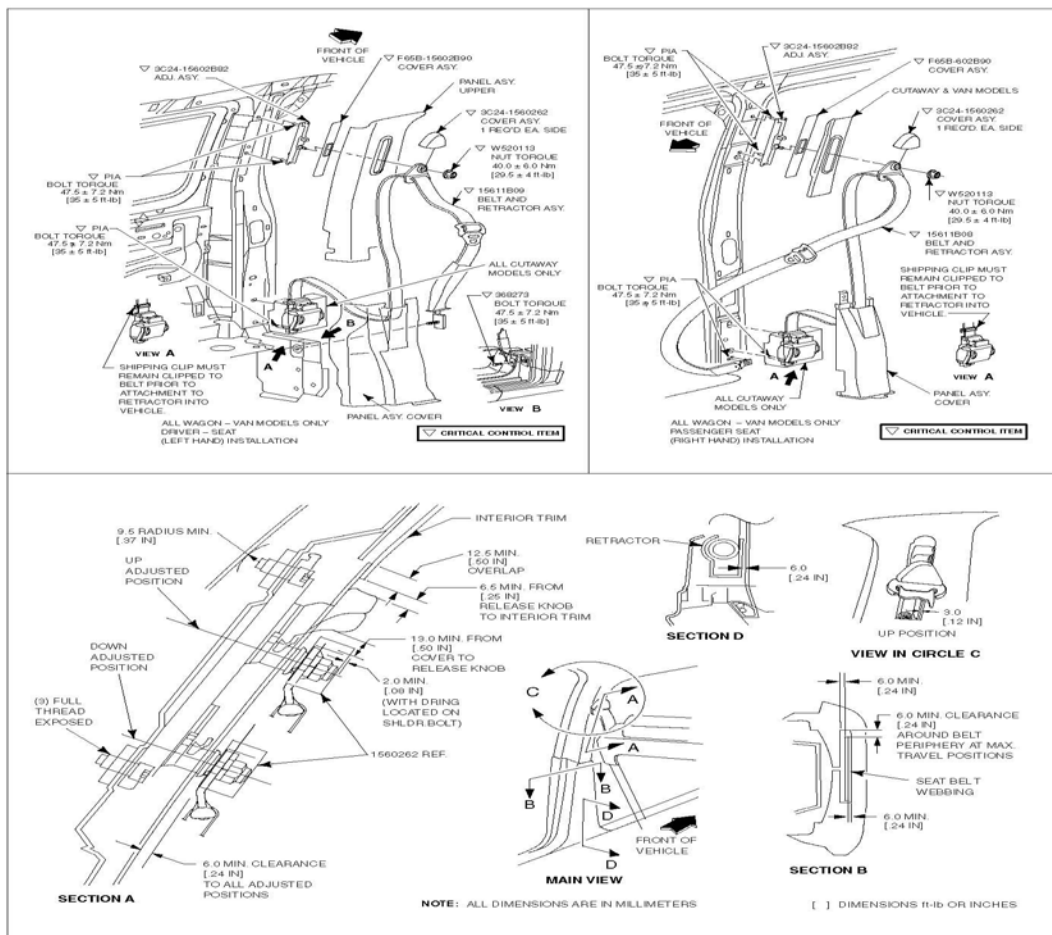


FIGURE A - E-SERIES FRONT SEAT RESTRAINT SYSTEM

STATEMENTS OF CONFORMITY

30

E-SERIES (March, 2005)

**** REFER TO TORQUE SPECS ON PAGE 1 of 7 FOR R&R**

Manual Document

Document Information

PCD No.: 08-09-01-07

Sheet: 1 of 1

REV. Level: **A**

Date: 08/09/07

Process Title: Final Finish, (Decals & Placement)

Model: **Allstar Ford**

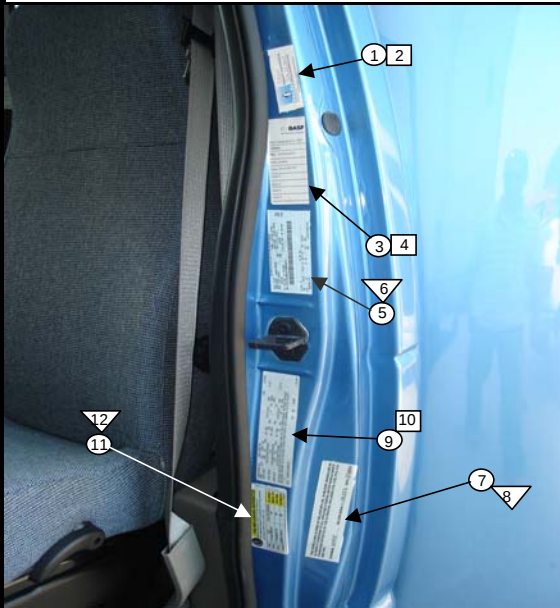
BY: **TAS**

Manual Specification

Critical Process No.

Item No. ①

Process No.	1
-------------	---



Process

Number	Description
2	Optional A/C System's Warranty Registration Number decal, place near driver's side door seal just above the black rubber plug on door jam.
4	Optional body paint, Paint Code Decal place near driver's side door seal just below the black rubber plug on door jam.
10	Chassis Modifier decal located in driver's door jam on the middle shelf below latch

Critical Process

Number	Description
6	OEM Incomplete Vehicle Decal is NOT to be removed, cover or altered in any way.
8	Starcraft's Final Stage Manufacturer decal is to be checked for accuracy before installation. and place near driver's side door seal just below the door jam latch.
12	Starcraft's Passenger / Cargo decal to be filled out and place near driver's side door seal just below Starcraft's Final Stage Manufacturer decal.

GENERAL, DIMENSIONS

EXTERIOR HEIGHT, STANDARD FLOOR, without escape hatch/with escape hatch	114"/118"
EXTERIOR WIDTH, EXCLUDING MIRRORS	96"
EXTERIOR WIDTH, INCLUDING STANDARD MIRRORS	110"
EXTERIOR LENGTH W/ BUMPER	21',21'-9",23'-9",25',25'-9"
GVWR (E350/E450 respectively)	11,500 lbs./12,500 lbs./14,500 lbs.
INTERIOR HEIGHT	81"
INTERIOR WIDTH, FLOOR TO 24" ABOVE	93.75"
TURNING RADIUS 158" WB	56.7 ft. Dia.
TURNING RADIUS 176" WB	62.5 ft. Dia.
TURNING RADIUS 190" WB	65.8 ft. Dia.
WHEELBASE	138",158",176",190"
*ADD 8" FOR FLAT FLOOR FLAT FLOOR DESIGN	

PAINT CODES

White	YZ	B9145G Alternate #3
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Unit Identification Numbers

STARCRAFT BUS Production Number and Unit number

You will find these number at the bottom of the manufacturer Vehicle Safety Standard Certification label. This sticker is located on the dash to the left of the steering column.

This production numbers does not coincide with the Vehicle Identification Numbers (VIN) supplied by the chassis manufacturer but is specific to the bus body.

Parts List

[illegible]

Tool List

Item No.	Qty.	Description

Notes: 1- Before Installing any Decals make sure the surface is clean and dry

Document Information

MD No.: **08-01-09-07**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Manual Title: **Seating Information**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Seating Operating
INSTRUCTIONS

Critical Process No.

1

Process No.

1

Item No.

1

Seat Belt

Driver

- Please refer to the OEM owner's manual for operation of this belt.

Passenger

-

Passenger Seating

Flip Seat

-

Document Information

MD No.: **08-09-07 Allstar IMI 01**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Title: **Exterior Information**

Manual Specification

SEATING CARE &
MAINTENANCE

Critical Process No.
Process No.

Item No.

SUGGESTED DAILY/WEEKLY INSPECTION/MAINTENANCE CHECK LIST

DATE: _____

PART	SUGGESTED MAINTENANCE	NOTES	COMPLETED BY
Driver Seat	Check the mounting bolts to make sure they are intact and tight. Replace any damaged hardware. Secure any loose hardware or mounting bracket to the correct torque specifications as listed on page 1 of 7.		
Seat Belt	Refer to your OEM owner's manual for suggested maintenance on the drivers seat belt.		
Passenger Seat Belts	Check the mounting bolts to make sure they are secured to the proper torque specifications Check the operation of the seat belts, as well as for damage or fraying. Replace as necessary.		
Seat Covers	Check seating for ripped, torn, frayed or damaged areas. Replace or repair as necessary. Clean by vacuuming. Clean spots with a soap and water solution recommended for fabrics.		
Wheel Chair Securement Systems	Check the mounting bolts, hardware and securement belts. Secure any loose bolts or mounting brackets to proper torque specifications as listed on page 1 of 8 as well as replace any damaged, torn or frayed belts.		

Document Information

Manual Title: Seating Removal/Installation	MD No.: 08-01-11-07	Sheet: 1 of 1
	REV. Level: A	Date: 08/09/07
	Model: Allstar Ford	BY: Tas

Manual Specification

Seating R&R	Critical Process No. 1	Item No. 1
INSTRUCTIONS	Process No. 1	

Complete Chair

Removal

- Remove 4 bolts and nuts attaching chair to base.
- Remove chair from bus.

Reinstallation

- Align bolts on chair to bolts holes in base.
- Position chair onto base. Replace bolts and nuts.

**** Torque to required specification as listed on page 1 of 7.**

Labor Allowance .8hrs

Back Cover

Removal

- Remove arm rest - see next page
- Remove hog rings from bottom of chair back cover.

Reinstallation

- Pull cover over chair back.
- Stretch tight and hog ring onto frame from bottom of the chair back.
- Replace arm rest.

Labor Allowance .5hr

Bottom Cover

Removal

- Remove complete chair from pedestal.
- Remove hog rings bottom of chair bottom cover.
- Lift cover off.

Reinstallation

- Position chair bottom cover over chair frame.
- Pull cover tight and hog ring onto chair frame.
- Reinstall chair onto pedestal.

Labor Allowance .5hr

Document Information

Manual Title: **Seating Information**

MD No.: **08-01-11-07**

REV. Level: **A**

Model: **Allstar Ford**

Sheet: **1 of 1**

Date: **08/09/07**

BY: **Tas**

Manual Specification

Seating R&R
INSTRUCTIONS

Critical Process No.

Process No.

1

1

Item No.

1

Arm Rest

Removal

- Remove bolt from side of arm rest. You may have to pull back the plastic cover on some models to access the bolt. On fabric armrests you will need to unzip the cover and pull it back to access the bolt.

Reinstallation

- Position armrest onto chair back.
- Reinstall bolt to secure arm to chair. Be careful not to tighten as to restrict arm movement.

Labor Allowance

.2hr

Recline Handle

Removal

- Remove screw from center of recline handle. Handle will pull off.

Reinstallation

- Position new handle onto recline rod. Tap the handle to make sure the handle is completely onto the rod to avoid stripping the handle.
- Replace screw.

Labor Allowance

.1hr

Pedestal

Removal

- Remove chair from pedestal. See previous page for instructions.
- Remove four bolts and nuts from pedestal to floor plate.

Reinstallation

- Position chair onto floor plate.
- Reinstall bolts and nuts.
- **Torque to required specification as listed on 1 of 7.**

Labor Allowance

1.0hr

Document Information

MD No.: **08-15-07 Allstar**

Sheet: 1 of 1

REV. Level: **A**

Date: 08/09/07

Model: Allstar Ford

BY: **Tas**Manual Title: **Seating Information**

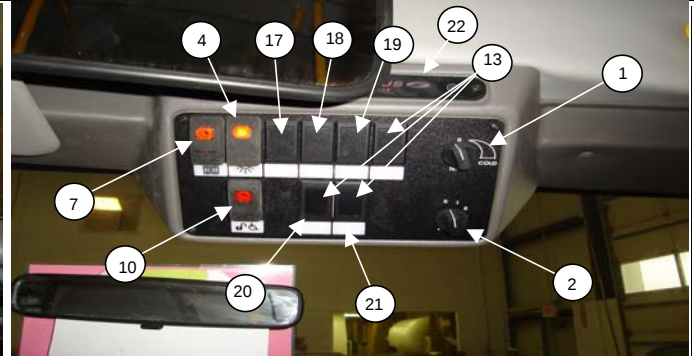
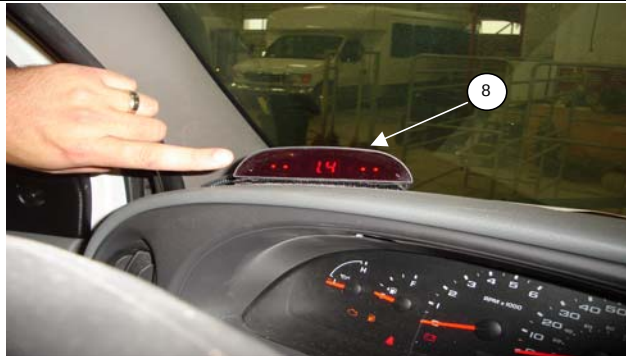
Manual Specification

DASH CONSOLE

Critical Process No. _____

Item No.

Process No.

[illegible][illegible]

NOTE: Item # is a standard part that can be optioned out and the OEM console will remain.

Document Information

Manual Title: Interior Information	MD No.: 08-01-11-07	Sheet: 1 of 1
	REV. Level: A	Date: 08/12/07
	Model: Allstar Ford	BY: Tas

Manual Specification

Dash/Console Operating
INSTRUCTION

Critical Process No.
Process No.

Item No.

Dash Switches

Air Conditioning

- Please refer to the OEM owner's manual for operation of these switches.

Microphone

Volume Control

- To increase the speaker volume of the microphone, turn the knob located on the of the unit clockwise.
- To decrease the volume, turn the knob counter-clock-wise.

Using the Microphone

- To activate the microphone, depress the button located on the left side of the Mic and speak into the microphone.

Engine Cover Switches

***Switches will vary depending on options installed.**

- To activate a switch, press the top of the switch.
- To deactivate a switch, press the bottom of the switch.

Rear Air Conditioning/Heat

Fan Speed

- To turn on the fan, turn the knob clock-wise. One click for low, two clicks for med and three clicks for high speed.

Temperature Control

- Turn knob clock-wise to increase temperature coolness.

Document Information

MD No.: **08-17-07 Allstar Ford IMI 02** Sheet: **1 of 1**
REV. Level: **A** Date: **08/09/07**
Model: **Allstar Ford** BY: **Tas**

Manual Title: **Interior Information**

Manual Specification

Dash/Console
Care & Maintenance

Critical Process No.
Process No.

Item No.

SUGGESTED DAILY/WEEKLY INSPECTION/MAINTENANCE CHECK LIST

DATE: _____

PART	SUGGESTED MAINTENANCE	NOTES	COMPLETED BY
Switch Panel	Inspect interior lights, including reading light, step well lights, entry lights and any emergency lighting. Replace any bulbs that may burnt out or repair or replace as necessary.		
Lift Indicator Light	Open the lift slightly and check to see if the light is activated. If not contact your local dealer for a repair.		
Heat and or A/C Controls	Turn ON to verify the unit is working properly. Repair as necessary.		

Document Information

Manual Title: **Interior Information**

MD No.: **08-01-11-07**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Dash/Console
R&R INSTRUCTIONS

Critical Process No.
Process No.

Item No.

Dash Component Removal/Installation Instructions

Electric Door Switch

Removal

- Remove center console from engine cover.
- Remove and tag wires from old switch.
- Door switch can now pop out from back side.

Reinstallation

- Replace switch into switch panel.
- Replace wire to correct marked blades.
- Reinstall center console onto engine cover.

Labor Allowance .5hr

Heater Switch

Removal

- Remove center console from engine cover.
- Remove and tag wires from old switch.
- Door switch can now pop out from from back side.

Reinstallation

- Replace switch into switch panel.
- Replace wire to correct marked blades.
- Reinstall center console onto engine cover.

Labor Allowance .5hr

Courtesy Light Switch

Removal

- Remove center console engine cover.
- Remove and tag wires from old switch.
- Door switch can now pop out from from back side.

Reinstallation

- Replace switch into switch panel.
- Replace wire to correct marked blades.
- Reinstall center console onto engine cover.

Document Information

Manual Title: **Interior Information**

MD No.: **08-01-14-07**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/12/07**

Model: **XLT GMT-560**

BY: **Tas**

Manual Specification

Dash/Console
R&R INSTRUCTIONS

Critical Process No.
Process No.

Item No.

Dash Component Removal/Installation Instructions

Electric Door Switch

Removal

- Remove center console from engine cover.
- Remove and tag wires from old switch.
- Door switch can now pop out from back side.

Reinstallation

- Replace switch into switch panel.
- Replace wire to correct marked blades.
- Reinstall center console onto engine cover..

Labor Allowance .5hr

Heater Switch

Removal

- Remove center console from engine cover.
- Remove and tag wires from old switch.
- Door switch can now pop out from from back side.

Reinstallation

- Replace switch into switch panel..
- Replace wire to correct marked blades.
- Reinstall center console onto engine cover.

Labor Allowance .5hr

Courtesy Light Switch

Removal

- Remove center console engine cover.
- Remove and tag wires from old switch.
- Door switch can now pop out from from back side.

Reinstallation

- Replace switch into switch panel..
- Replace wire to correct marked blades.
- Reinstall center console onto engine cover.

Document Information

Manual Title: **Interior Information**

MD No.: **08-09-07**

Sheet: **1 of 1**

REV. Level: **A**

Date: **10/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Dash/Console
R&R INSTRUCTIONS

Critical Process No.

1

Item No.

1

Process No.

1

Dash/Floor Component Removal/Installation Instructions

Defrost Switch

Removal

- Remove center console from engine cover.
- Remove and tag wires from old switch.
- Door switch can now pop out from back side.

Reinstallation

- Replace switch into switch panel.
- Replace wire to correct marked blades.
- Reinstall center console onto engine cover.

Labor Allowance .5hr

Display

Removal

- Remove center console from engine cover.
- Remove and tag wires from old switch.
- Door switch can now pop out from from back side.

Reinstallation

- Replace switch into switch panel.
- Replace wire to correct marked blades.
- Reinstall center console onto engine cover.

Labor Allowance .5hr

Document Information

MD No.: **08-15-07 Allstar**

Sheet: 1 of 1

REV. Level: A

Date: 08/15/07

Manual Title: **Interior Information**Model: **Allstar Ford**BY: **Tas**

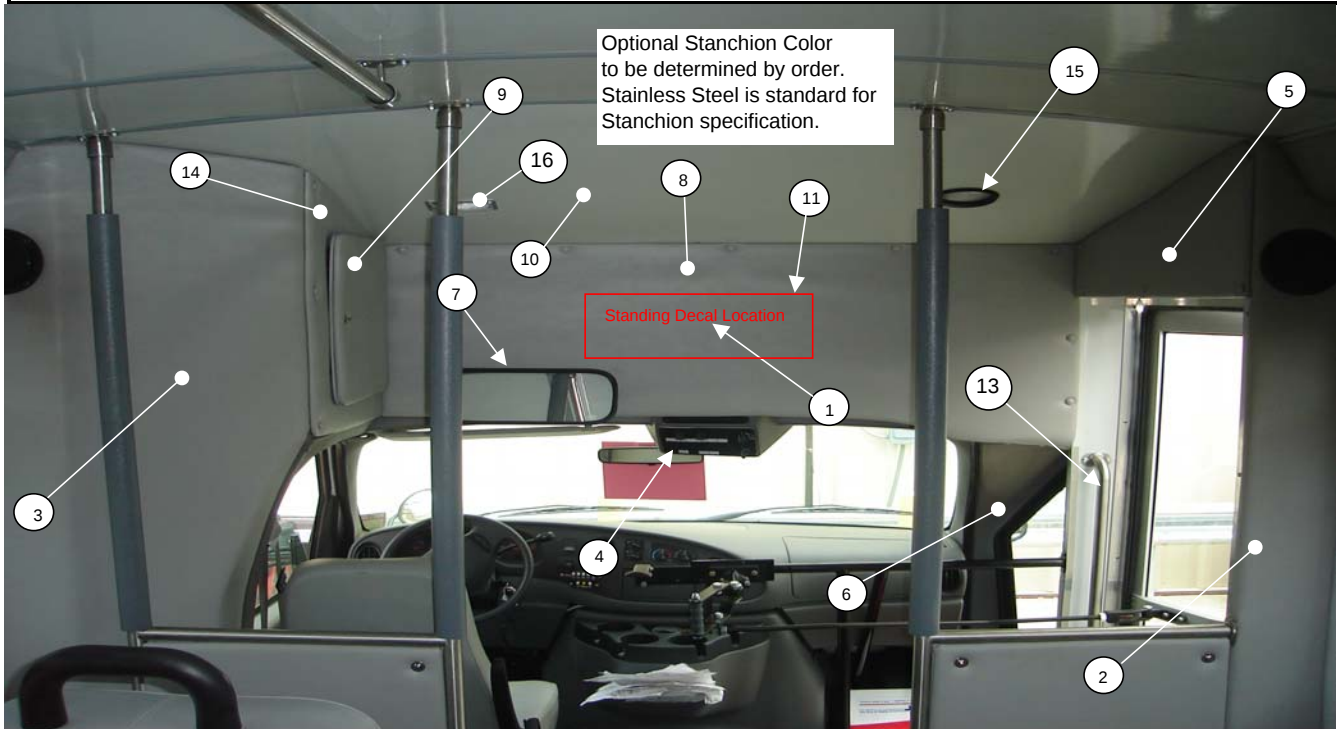
Manual Specification

FRONT
OVERHEAD

Critical Process No. _____

Item No.

Process No.

[illegible]

Document Information

Manual Title: Interior Information	MD No.: 08-09-07	Sheet: 1 of 1
	REV. Level: A	Date: 08/09/07
	Model: Allstar Ford	BY: Tas

Manual Specification

Front O/H Operating INSTRUCTIONS	Critical Process No. 1	Item No. 1
	Process No. 1	

Overhead Glove Box

Door Operation

- Open: Turn the knobs counter - clock wise.
- Close: Turn the knobs clock - wise.

*** While driving, the overhead storage door must remain closed and both knobs securely locked at all times. Personal injury could occur should objects fall from the storage area and startle the driver.**

Rear View Mirror

Adjusting

- To adjust the angle of the rear view mirror, loosen nut on each side of the mirror head brackets. Adjust the mirror to the driver's desired angle and re - tighten the nuts on each side.

Document Information

Manual Title: **Interior Information**

MD No.: **01-12-06 Allstar Ford IMI 04**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Front O/H CARE &
MAINTENANCE

Critical Process No.
Process No.

Item No.

SUGGESTED DAILY/WEEKLY INSPECTION/MAINTENANCE CHECK LIST

DATE: _____

PART	SUGGESTED MAINTENANCE	NOTES	COMPLETED BY
Windows/Windshield	Clean interior windows/windshield to ensure a clean view. Check for damages and repair or replace as needed. To clean use a standard window cleaner or ammonia base product.		
Factory Installed Lights, Signals and Equipment	The information for care and maintenance for the OEM provided components can be found in the chassis owner's manual, provided to you with your unit. It is recommended that you check all operations of the headlights, turn signals and warning lights Daily.		
Sun visor	Check and tighten as necessary		
Overhead Console Door	Check the hinges and latches to be sure they are secure. Check for damages, repair or replace as necessary. Vinyl covered trim should be cleaned weekly or as needed with a soap and water solution or vinyl cleaner, following the manufacturer's instructions. Avoid soaking the overhead console, vinyl sidewalls or any other vinyl-covered component of the interior with cleaning solution as damage may result.		

Document Information

Manual Title: **Seating Removal/Installation**

MD No.: **10-18-CIM-02**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Front O/H R&R
INSTRUCTIONS

Critical Process No.

1

Process No.

1

Item No.

1

ABS Manual Door Header Removal Instructions

- Remove screws from along roof, rear door wing, vertical and underside of entry way..
- Pull out and down to remove.

Labor Allowance

.2hrs

ABS Electric Door Header Removal Instructions

***Note: In some cases the roof light will have to be removed prior to header removal.**

- Remove screws from along roof, rear door wing, front vertical and underside of entry way.
- Disengage manual door release handle.
- Remove Lower Screws from manual release instruction plate
- Pull out and down to remove

Labor Allowance

.2hrs

Front Vertical Panel Removal Instructions

***Note: Glove box door removal is not required.**

- Remove **ABS** door header as described above..
- Remove various screws on all side.
- May need to disconnect or remove electrical components.
- Pull out and down to remove

Labor Allowance

.3hr

Windshield Liner Removal

- Remove sun visors and retainer clip.
- Remove A - Pillar covers.
- Remove various screws.
- While lowering panel, disconnect light.

Labor Allowance

1.0hr

Reinstallation

- Remove ABS door head.
- Remove ABS front vertical.
- Remove windshield liner.
- Remove seat belt should strap.
- Pull down door seal.
- Remove various screws.
- Pull out and lean in to remove panel.

Labor Allowance

1.0hr

Document Information

MD No.: 08-15-07 Allstar

Sheet: **1 of 1**

REV. Level: A

Date: 08/09/07

Model:	Allstar Ford
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BY:	Tas
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Manual Title: **Interior Information**

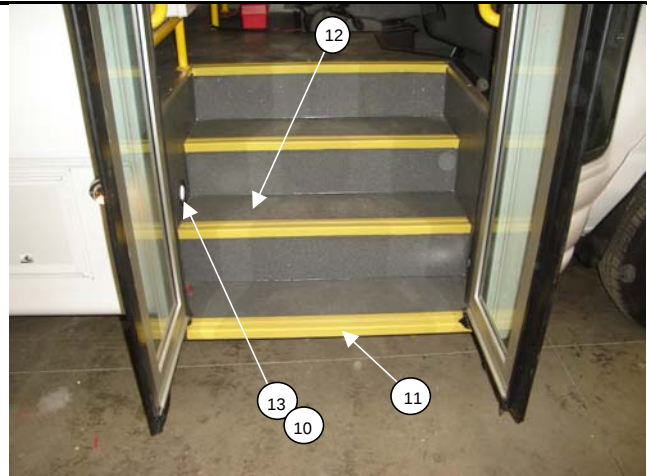
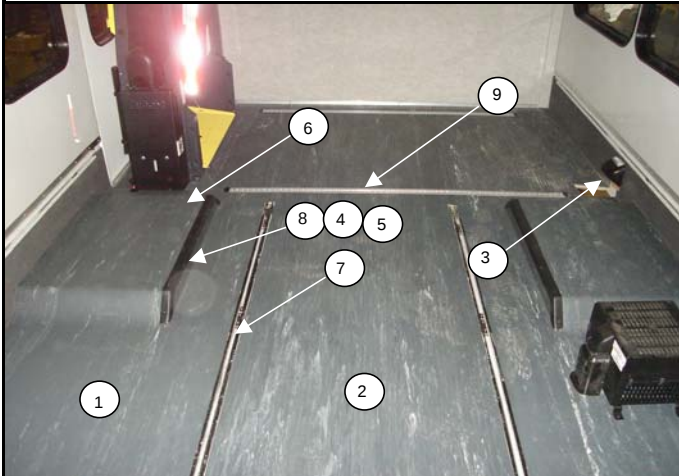
Manual Specification

FLOORING

Critical Process No.

Item No.

Process No.

[illegible]

Document Information

Manual Title: **Interior Information**

MD No.: **08-08-07 Allstar Ford IMI 03**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Flooring
Care & Maintenance

Critical Process No.
Process No.

Item No.

DATE: _____

PART	SUGGESTED MAINTENANCE	NOTES	COMPLETED BY
Flooring	Check for cuts, tears, lifted, or frayed areas. Repair or replace as necessary. Loose flooring could cause a passenger to trip and fall and possibly be injured.		
Rubber Flooring	Clean the flooring with a warm soap and water solution, scrub, rinse and dry. DO NOT allow cleaning solution to stand on the floor for long periods of time. Damage to the floor covering or sub floor could occur.		
Carpeting	Vacuum as necessary. Small spots can be cleaned by using a soap and water solution and a scrub brush. If using a carpet cleaner, test a small area to ensure it will not cause damage to the carpeting.		

Document Information

Manual Title: Interior Information	MD No.: 08-09-07 Allstar	Sheet: 1 of 1
	REV. Level: A	Date: 08/09/07
	Model: Allstar Ford	BY: Tas

Manual Specification

Flooring R&R	Critical Process No.	Item No.
INSTRUCTIONS	Process No.	

**Tread Step
Removal**

- Using a flat putty knife as a pry tool, slide it under the edge of step and lift up.

Reinstallation

- Clean excess glue from from surface.
- Apply adhesive to step.
- Position step tread onto step making sure it is square and even with edge of step. Trim as needed.

Labor Allowance .5 hr

Document Information

MD No.: 08-08-07 Allstar

Sheet: 1 of 1

REV. Level: **A**

Date: 08/09/07

Manual Title: **Interior Information**

Model: Allstar Ford

BY: Tas

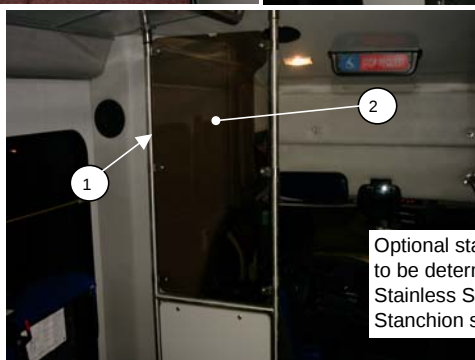
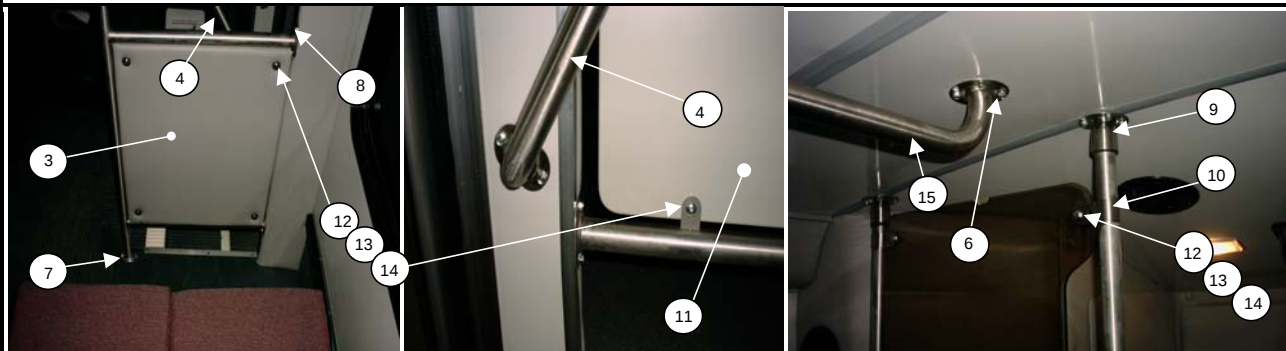
Manual Specification

MODESTY PANELS
STANCHIONS

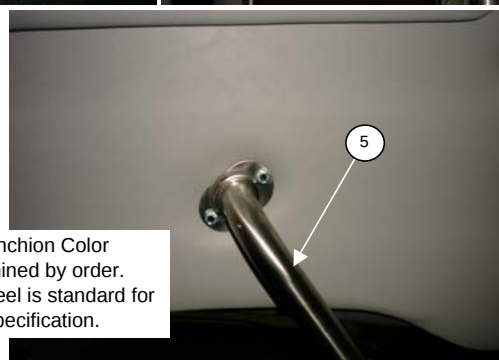
Critical Process No.

Item No.

Process No.



Optional stanchion Color
to be determined by order.
Stainless Steel is standard for
Stanchion specification.

[illegible]

Document Information

MD No.: **08-08-07 Allstar Ford IMI 05** Sheet: **1 of 1**
REV. Level: **A** Date: **08/09/07**
Model: **Allstar Ford** BY: **Tas**

Manual Title: **Interior Information**

Manual Specification

Modesty Panel/Stanchion Care & Maintenance Critical Process No. Item No.
Process No.

SUGGESTED DAILY/WEEKLY INSPECTION/MAINTENANCE CHECK LIST

DATE: _____

PART	SUGGESTED MAINTENANCE	NOTES	COMPLETED BY
Stanchion/ Grab Handles	Check stanchions/grab handles to be sure they are secure. Secure as needed. Check for bent or broken parts or sharp edges that could cause harm to passengers. Repair or replace as needed.		
Modesty panel	Spot cleaning can be done with a commercial cleaner. DO NOT allow any cleaner to saturate or soak the modesty panel. DO NOT leave cleaner on for an extended period of time. Damages to the panel could occur.		

Document Information

Manual Title: Interior Information	MD No.: 08-09-07 Allstar	Sheet: 1 of 1
	REV. Level: A	Date: 08/08/07
	Model: Allstar Ford	BY: Tas

Manual Specification

Modesty Panels/Stanchions
R&R INSTRUCTIONS

Critical Process No.
Process No.

Item No.

**Modesty Panel
Removal**

- Remove top support tube of panel stanchion.
- Pull out panel.

Reinstallation

- Make sure rubber seal is on new panel before installing into the track.
- Reinstall top support tube on stanchion.

Labor Allowance .5 hr

Document Information

MD No.: 08-08-07 Allstar

Sheet: 1 of 1

REV. Level: A

Date: 08/08/07

Model:	Allstar Ford
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BY:	Tas
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Manual Title: **Interior Information**

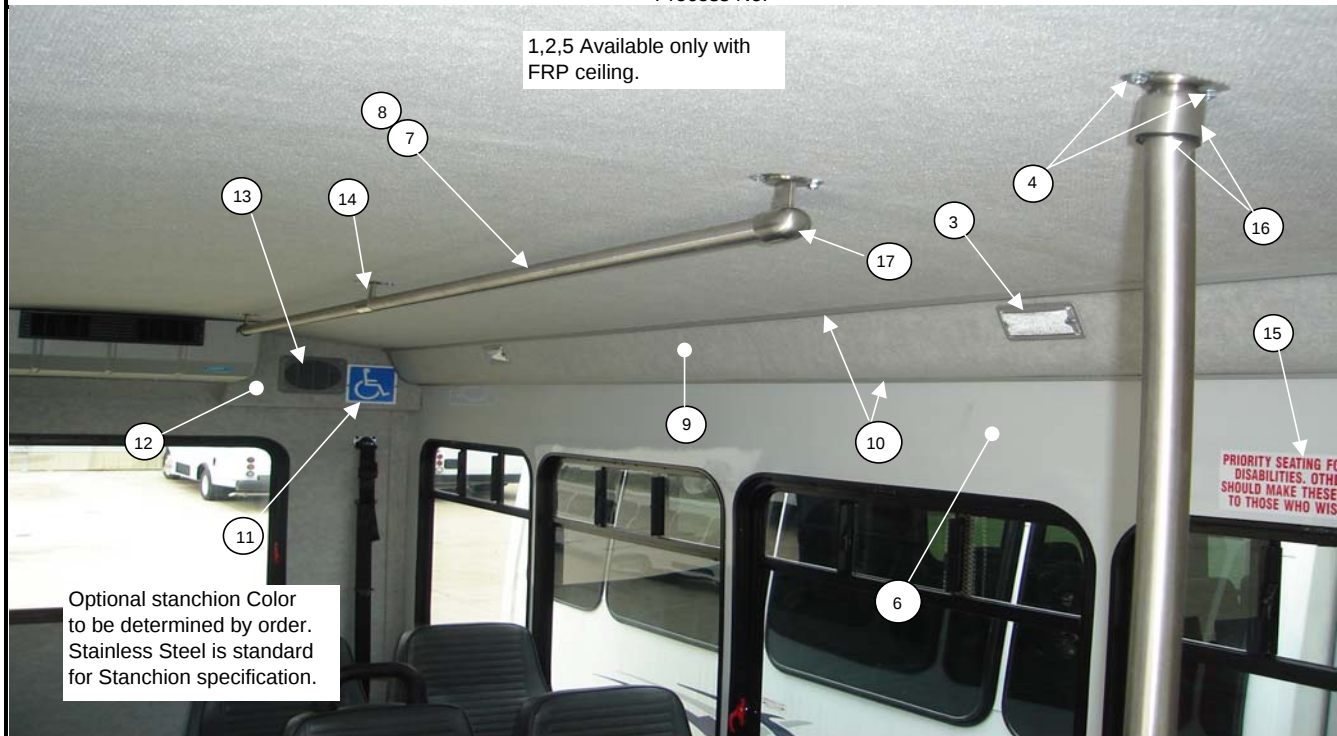
Manual Specification

CEILING

Critical Process No. _____

Item No.

Process No.

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Document Information

Manual Title: **Interior Information**

MD No.: **08-08-07 Allstar Ford IMI 07**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/08/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Ceiling Panel
Care & Maintenance

Critical Process No.
Process No.

Item No.

SUGGESTED DAILY/WEEKLY INSPECTION/MAINTENANCE CHECK LIST

DATE: _____

PART	SUGGESTED MAINTENANCE	NOTES	COMPLETED BY
Vinyl Ceiling Panels	Clean with a standard non-abrasive cleaner. Follow manufacturer's instructions on the cleaner. DO NOT allow cleaning solution to stay on vinyl for long periods of time. Damage to the ceiling panel will occur.		
Fabric Ceiling Panels	Vacuum regularly. Spot clean as necessary with an upholstery cleaner. Follow all manufacturer's instructions on the cleaner.		

Document Information

Manual Title: **Interior Information**

MD No.: **08-01-11-07**

REV. Level: **A**

Model: **Allstar Ford**

Sheet: **1 of 1**

Date: **08/09/07**

BY: **Tas**

Manual Specification

Ceiling R&R INSTRUCTIONS Critical Process No. **1** Process No. **1**

Item No. **①**

Ceiling Component Removal/Installation Instructions

Light Bar

Removal

- Remove speakers and courtesy lights.
- Remove J-rail at bottom of light bar.
- Remove screws.
- Light bar will come down in 1 piece. Have a second person to help hold the panel.

Reinstallation

- Position light bar up to ceiling and sidewall.
- Replace J-rail at the bottom of light bar.
- Replace screws in light bar, making sure panel is smooth and level as you go.
- Replace speakers and courtesy lights.

Labor Allowance .7hr

Ceiling Panel

Some ceiling panels around escape hatches or fluorescent lights may be caulked to roof panel of the bus.

Removal

- Remove light bar. See above for removal instructions.
- Remove ceiling trim.
- Remove screws around perimeter of ceiling panel. Make sure you have someone holding the panel while the screws are being removed so the panel does not bend or fall.

Reinstallation

- Position ceiling panel to ceiling.
- Replace screws.
- Replace ceiling trim.
- Reinstall ceiling light bar.

Labor Allowance 1.5hr

Courtesy Light Switch

Removal

- Remove two screws from face of light.
- Disconnect wiring butt connector.

Reinstallation

- Reconnect wiring.
- Position onto light bar and replace screws.

Labor Allowance .2hr

Document Information

Manual Title: Interior Information	MD No.: 10-20-06 Allstar	Sheet: 1 of 1
	REV. Level: A	Date: 08/08/07
	Model: Allstar Ford	BY: Tas

Manual Specification

Ceiling R&R	Critical Process No. 1	Item No. 1
INSTRUCTIONS	Process No. 1	

**Modesty Panel
Removal**

- Remove exposed screws.
- Disconnect wires from back of speaker.

Reinstallation

- Reconnect wiring to speaker.
- Position speaker onto light bar replace screw.

Labor Allowance .2 hr

Document Information

MD No.: 08-09-07 Allstar

Sheet: 1 of 1

REV. Level: **A**

Date: 08/09/07

Model:	Allstar Ford
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BY: **Tas**Manual Title: **Interior Information**

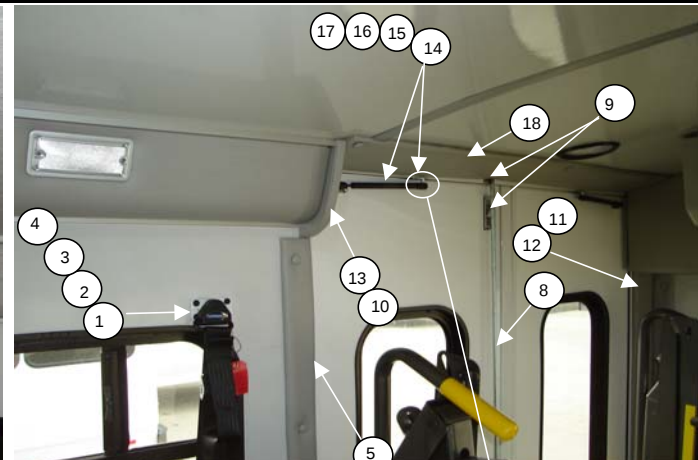
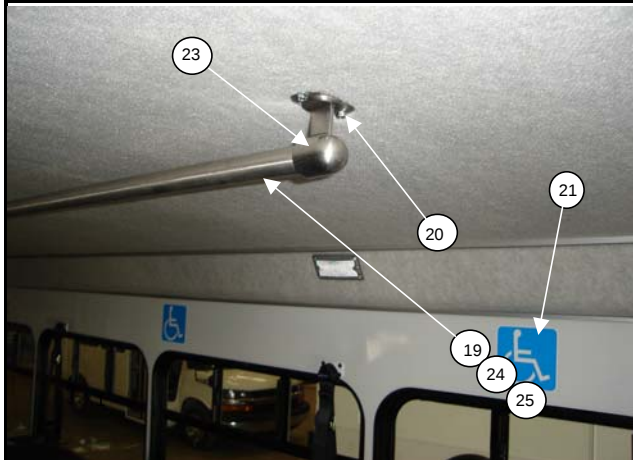
Manual Specification

WALLS

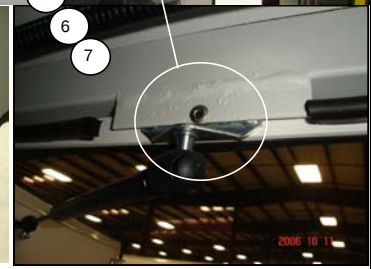
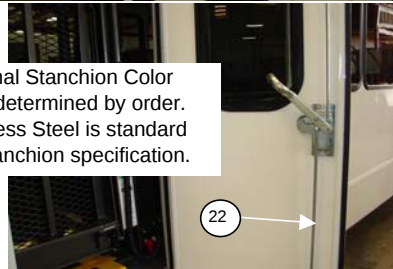
Critical Process No.

Item No.

Process No.



Optional Stanchion Color
to be determined by order.
Stainless Steel is standard
for Stanchion specification.

[illegible][illegible]

Document Information

MD No.: **08-20-07 Allstar Ford IMI 08** Sheet: **1 of 1**
REV. Level: **A** Date: **08/08/07**
Model: **Allstar Ford** BY: **Tas**

Manual Title: **Interior Information**

Manual Specification

Wall Care & Critical Process No. _____ Item No. _____
Maintenance Process No. _____

SUGGESTED DAILY/WEEKLY INSPECTION/MAINTENANCE CHECK LIST

DATE: _____

PART	SUGGESTED MAINTENANCE	NOTES	COMPLETED BY
Vinyl Wall Panels	Clean with a standard non-abrasive cleaner. Follow manufacturer's instructions on the cleaner.		
Fabric Wall Panels	Vacuum spot clean as necessary.		

Document Information

Manual Title: **Interior Information**

MD No.: **08-09-07 Allstar**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/08/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Wall R&R
Instructions

Critical Process No.
Process No.

Item No.

Sidewall Component Removal/Installation Instructions

Removal

- Remove window(s) at the panel needed to be removed. Refer to "Exterior Windows" for removal instructions.
- Remove screws from side wall trim strips.

Reinstallation

- Position sidewall. Replace screws into trim strips.
- Replace windows.

Labor Allowance 1.5hr

Upper Sidewall Panel

Removal

- Remove light bar. Refer to "Ceiling Instruction" for removal instructions.
- Remove window(s) at the panel needed to be removed. Refer to "Exterior Windows" for removal instructions.
- Remove screws from sidewall trim strips.

Reinstallation

- Reinstall light bar. Refer to "Ceiling Instructions" for installation instruction.
- Position sidewall. Replace screws into trim strips.
- Replace windows.

Labor Allowance 2.0hr

Document Information

Manual Title: **Front Unit - Allstar Ford**

MD No.: **08-01-09-07**

REV. Level: **A**

Model: **Allstar Ford**

Sheet: **1 of 1**

Date: **08/09/07**

BY: **TAS**

Manual Specification

Item No. **(1)**



Item No.	Qty.	Part No.	Description	Item No.	Qty.	Part No.	Description
1	5	*34112038	Front Upper Marker Lights	24			
2	~		Front Marker Light Screws	25			
3	1	03114078	Front Cap	26			
4	1	*36212015	Driver/Pass Mirror Set	27			
5	1			28			
6	2		Flat top Phillips head screw	29			
7	2		Dome top Phillips head screw	30			
8				31			
9				32			
10				33			
11				34			
12				35			
13				36			
14							
15							
16							
17							
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19							
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22							
23							

Document Information

MD No.: **08-09-07 Allstar Ford IMI 01**

Sheet: **1 of 1**

REV. Level: **A**

Date: **09/08/07**

Manual Title: **Exterior Information**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Front CAP CARE & MAINTENANCE Critical Process No. Process No.

Item No.

SUGGESTED DAILY/WEEKLY INSPECTION/MAINTENANCE CHECK LIST

DATE: _____

PART	SUGGESTED MAINTENANCE	NOTES	COMPLETED BY
Exterior body panel & Fiberglass components	Clean road film and dirt from body panel by wetting down with a hose and wiping with a sponge or cloth. Never use harsh abrasives or strong solvents on the bus exterior.		
Front Cap	Inspect cap for scrapes or cuts caused by tree limbs or other overhanging obstructions. Repair as necessary. Wash dirt and grime from rear cap using a mild household detergent.		
Seams, Rub Rails and Moldings	Inspect for damages, scrapes, cuts or cracks. Repair as necessary.		
Lights	Inspect all lights. It is recommended that someone outside the bus check the operation of each light as another person inside the vehicle activates each function. Replace any blown bulbs and/or fixtures immediately. Clean lenses with window cleaner and or a cloth.		
Reflectors	Check to ensure that the reflectors are secure. Clean with a standard window cleaner or nonabrasive cleaner to ensure they can be seen.		

Document Information

Manual Title: Exterior Information	MD No.: 10-23-06 IME	Sheet: 1 of 1
	REV. Level: A	Date: 08/09/07
	Model: Allstar Ford	BY: Tas

Manual Specification

Front O/H Operating	Critical Process No. 1	Item No. 1
INSTRUCTIONS	Process No. 1	

Front Cap

Removal (Requires two persons)

- Remove gimp from seam of cap.
- Remove screws and trim below the gimp.
- Remove front ceiling panel.
- Remove stanchions.
- Remove box of safety triangles.
- Remove ABS entry door header.
- Remove front ABS trim panel.
- Remove (if installed) front glove box or destination sign/light bar.
- Remove driver's seat (Not required).
- Remove ABS seat belt trim from behind driver's door.
- Remove driver side ABS pillar post.
- Remove front ceiling panel.
- Disconnect run lights from cap.
- Score down seam with a putty knife to cut putty seal on cap.
- Clean foam off bottom of cap.
- Remove self tapping screws.
- Remove 2 bolts where cap meets wing.
- Cut caulking/sealant between cap and wing.
- Cap is ready to be removed.

Reinstallation

- Replace caulking/sealant to cap.
- Position cap onto bus.
- Replace bolts at the front wing.
- Replace self tapping screws.
- Reconnect running light in cab.
- Reinstall ABS seat belts cover.
- Reinstall front ceiling panel.
- Reinstall stanchions.
- Re-caulk exterior and check.

Labor Allowance

8.0 hr/person

Document Information

Manual Title: **Exterior Information**

MD No.: **08-09-07 Allstar**

REV. Level: **A**

Model: **Allstar Ford**

Sheet: **1 of 1**

Date: **08/09/07**

BY: **Tas**

Manual Specification

Front Cap R&R
Instructions

Critical Process No.

Process No.



1

Item No.

①

Running Light

Removal

- Remove light cover.
- May have to cut caulk seal around light.
- Unplug wires to light.

Reinstallation

- Reconnect wiring to light.
- Reposition onto bus.
- Secure lens in place, replace screws.
- Re-caulk to make water tight.

Labor Allowance .2hr

Destination Window

Removal

- Call for tech assistance.

Reinstallation

- Call for tech assistance.

Labor Allowance 2.0hr

Document Information

Manual Title: **Rear Unit - Airporter Ford Standard Floor**

MD No.: **08-01-13-07**

REV. Level: **A**

Model: **Allstar Ford**

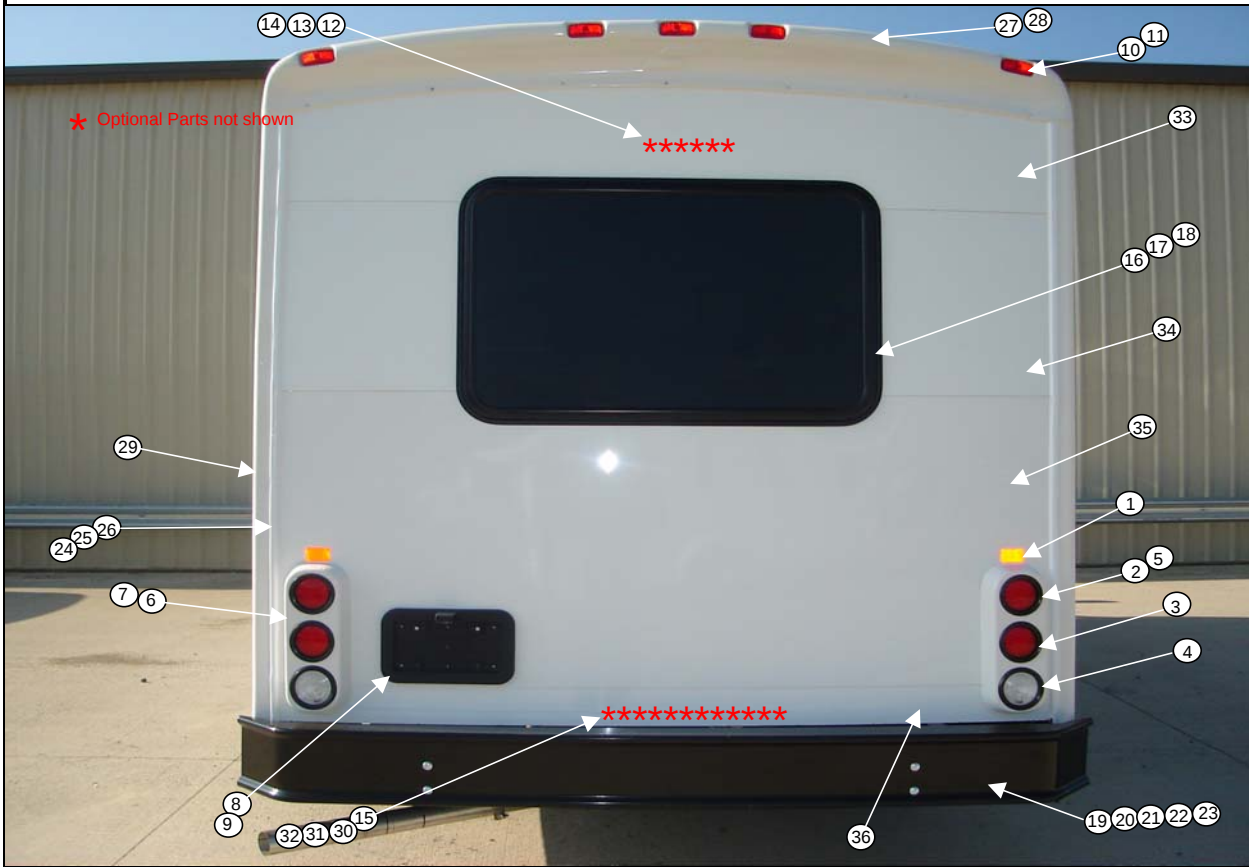
Sheet: **1 of 1**

Date: **08/09/07**

BY: **TAS**

Manual Specification

Item No. **(1)**



Item No.	Qty.	Part No.	Description	Item No.	Qty.	Part No.	Description
1	2	80008996	Reflector Tape	24	2	22041017	Vinyl Trim
2	2	08-008-002	Brake Light,	25	2	*01032231	Aluminum Strap
3	2	08-008-002	Turn Light, LED	26	~		Strap Screws
4	2	08-007-002	Reverse Light,	27	1	*03114026	Rear Upper Cap, Allstar
5	6	34112043	Light Ring	28	~		White Upper Cap Screws
6	2	30009192	Light Bezel	29	2	*03114075	Rear Corner Vertical Cap
7	~		Light Bezel Screws	30	~		Anti-Ride Bolts
8	1	21-004-011	License Plate Frame	31	~		Anti-Ride Washers
9	1		License Plate Frame Mounting Bracket	32	~		Anti-Ride Nuts
10	5	34112039	Rear Marker Light,	33	1	70009143	Outer Wall Sheet - 24" x 92"
11	~		Rear Marker Light Screws	34	1	30009013	Outer Wall Sheet - 33" x 92
12	1	60009021	Third Brake Light,	35	1	71001052	Outer Wall Sheet - 38" x 92
13	1		Third Brake Light Gasket	36	1		Outer Wall Bottom Skirt STD Floor - 6" x 92" (Drop)
14	~		Third Brake Light Screws				
15	1	19-018-009	Anti-Ride				
16	1	35009003	Rear Window, Egress				
17	1	35009003-R	Rear Window Ring				
18	~		Rear Window Screws				
19	1	71006002	Rear Bumper				
20	2	73009782	Bumper Mounting Brackets				
21	~		Bumper Mounting Bolts				
22	~		Bumper Mounting Washers				
23	~		Bumper Mounting Nuts				

Document Information

Manual Title: **Exterior Information**

MD No.: **08-13-07 Allstar Ford IMI 03**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Rear CAP CARE &
MAINTENANCE

Critical Process No.
Process No.

Item No.

SUGGESTED DAILY/WEEKLY INSPECTION/MAINTENANCE CHECK LIST

DATE: _____

PART	SUGGESTED MAINTENANCE	NOTES	COMPLETED BY
Exterior body panel & Fiberglass components	Clean road film and dirt from body panel by wetting down with a hose and wiping with a sponge or cloth. Never use harsh abrasives or strong solvents on the bus exterior.		
Rear Cap	Inspect cap for scrapes or cuts caused by tree limbs or other overhanging obstructions. Repair as necessary. Wash dirt and grime from rear cap using a mild household detergent.		
Seams, Rub Rails and Moldings	Inspect for damsges, scrapes, cuts or cracks. Repair as necessary.		
Lights	Inspect all lights. It is recommended that someone outside the bus check the operation of each light as another person inside the vehicle activates each function. Replace any blown bulbs and/or fixtures immediately. Clean lenses with window cleaner or ammonia based cleaner.		
Reflectors	Check to ensure that the reflectors are secure. Clean with a standard window cleaner or nonabrasive cleaner to ensure they can be seen.		

Document Information

Manual Title: **Exterior Information**

MD No.: **08-09-07 Allstar**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Rear Cap R&R
Instructions

Critical Process No.
Process No.

Item No.

Tail Light Removal/Installation Instructions
Removal

- Remove screws from each side of light.
- Disconnect wiring from light.

Reinstallation

- Reconnect wiring harness.
- Position light onto bus, replace screws.

Labor Allowance .3hr

Reflectors Installation Instructions

Reinstallation

- Clean surface thoroughly with rubbing alcohol.
- Remove protective paper from reflector and press into position.

Labor Allowance .2hr

3rd Brake Light Removal/Installation Instructions

Removal

- Remove screws from each side of light.
- Cut caulk from around light.
- Disconnect wiring from light.

Reinstallation

- Reconnect wiring harness.
- Position light onto bus, replace screws.
- Re-caulk to seal.

Labor Allowance .3hr

Marker Light Removal/Installation Instructions

Removal

- Remove screws from each side of light.
- Disconnect wiring from light.

Reinstallation

- Reconnect wiring harness.
- Position light onto bus, replace screws.

Labor Allowance .3hr

Number	Critical Process Description
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Document Information

Manual Title: Exterior Information	MD No.: 08-09-07 Allstar	Sheet: 1 of 1
	REV. Level: A	Date: 08/08/07
	Model: Allstar Ford	BY: Tas

Manual Specification

Rear Bumper R&R
INSTRUCTIONS

Critical Process No. 1
Process No. 1

Item No. 1

Bumper Removal/Installation Instructions

Removal

- Remove 4,1/2x 1-1/2" carriage bolts, washer and nuts from bumper to bumper bracket.
Bumper will be free from the bus.

Reinstallation

- Position bumper onto bus. Install bolts and nuts.
- Check that the bumper is square and level to the bus.
- Securely tighten all bolts and nuts.

Labor Allowance

.5 hr

Bumper Removal/Installation Instructions

Removal

- Remove bumper as instructed above.
- Remove 6,1/2x 2" HHCS yellow zinc bolts from bracket.

Reinstallation

- Replace bolts.
- Tighten securely.

Labor Allowance

1.0 hr

Document Information

Manual Title: **Driver's Side - Allstar Ford R. Floor**

MD No.: **08-01-09-07**

REV. Level: **A**

Model: **Allstar Ford**

Sheet: **1 of 1**

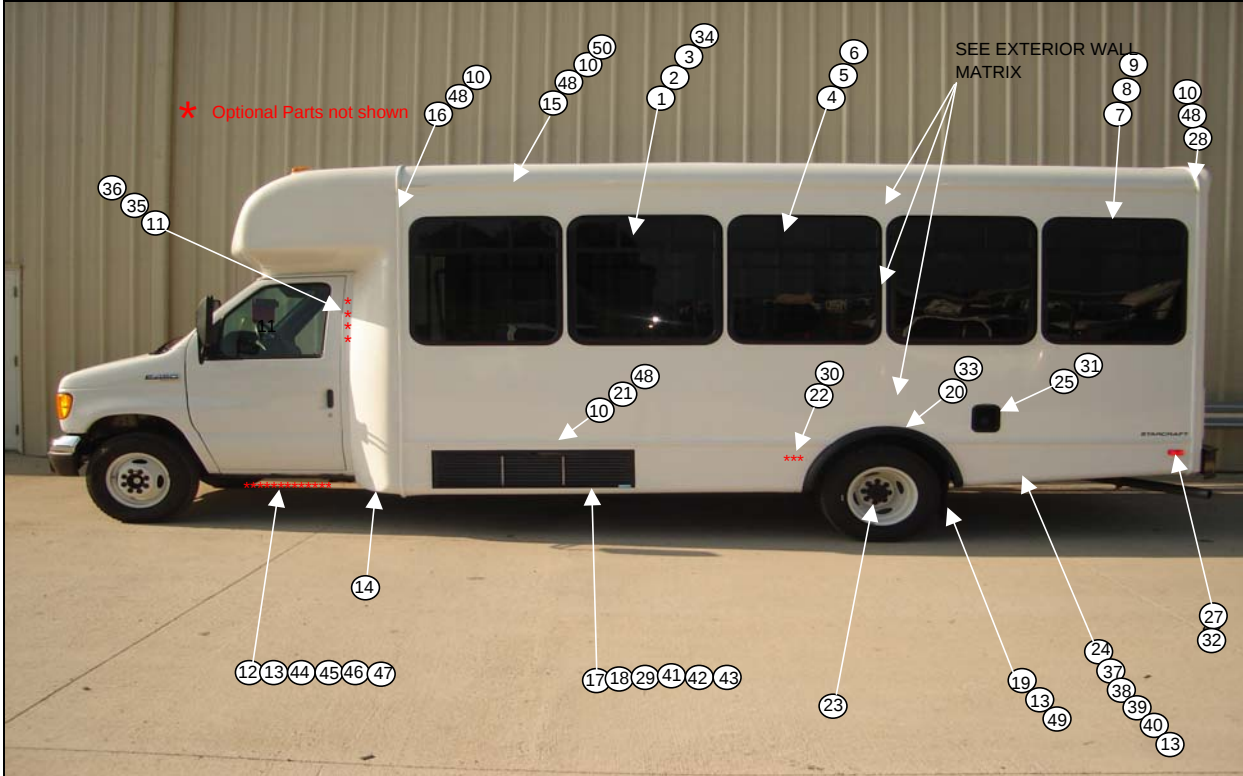
Date: **08/09/07**

BY: **TAS**

Manual Specification

ROADSIDE

Item No. **(1)**



Item No.	Qty.	Part No.	Description	Item No.	Qty.	Part No.	Description	
1	2	35009005	36" Window, Slider	30	4		Screw, Phillips Head, Silver	
2	2	35009005-R	Window Ring, Slider	31	15		Screw, Phillips Head, Black	
3	2	35001021	Window Seal, Slider	32	2		Screw, Phillips Head, Silver	
4	1	35009004	36" Window, Egress	33	18		Self Tapping, Screw, Phillips	
5	1	35009004-R	Window Ring, Egress	34	96		Screw, Phillips Head, Black Window	
6	1	35001021	Window Seal, Egress	35	2		Screw, Phillips Head, Silver	
7	1	35009007	36" Window Solid "Optional"	36	2		Nut Insert	
8	1	35009007-R	Window Ring	37	2	71009019	Skirt Mounting Bracket	
9	1	35001021	Window Seal	38	2		Hex Head Bolt	
10	~		Aluminum Trim Screws	39	2		Flat Washer, Skirt	
11	1		Grab Handle	40	2		Nut, Skirt	
12	1	71001000	12" Step Running Board	41	4		Bolts, Condenser	
13	14		3/8" Hex Head Self Tappers	42	4		Nuts, Condenser	
14	1	*03114079	Drivers Side Wing	43	8		Flat Washer, Condenser	
15	1	*01032225	Drip Rail	44	9		Bolt, Step	
16	1	22041017	Vinyl Seal	45	9		Flat Washer, Step	
17	1		Condenser	46	9		Nut, Step	
18	1		Condenser Grille	47	3		Step Bracket	
19	1	21-005-006	Mudflap,w/ screen print	48	~		Aluminum Trim	
20	1	36202002	Wheel Well Trim	49	3		Flat Washer, Mudflap	
21	1	70008998	Vinyl Side Trim	50	~	80003006	Vinyl Gutter Insert	
22	1	60009074	Amber Side Marker Light	EXTERIOR WALL MATRIX				
23	2	26-001-011	Valve Stem Extender Kaper II	MODEL	TOP	MIDDLE INSERT	BTM	BODY LENGTH
24	1	71001001	Driver Side Rear Skirt 20 x 82	ALL STAR	12	33	33	150.0"
25	1		Fuel Fill OEM	ALL STAR	12	33	33	150.0"
26	1	80008999	Reflector	ALL STAR	12	33	33	163.0"
27	1	34112039	Red Side Marker Light	ALL STAR	12	33	33	175.0"
28	1	22041017	Rear Vinyl Trim Strip	ALL STAR	12	33	33	190.0"
29	12		Screw, Phillips Head, Black	ALL STAR	12	33	33	199.0"

Document Information

Manual Title: **Pass. Side, Standard Floor - Allstar Ford**

MD No.: **08-08-14-07**

REV. Level: **A**

Model: **Allstar Ford**

Sheet: **1 of 1**

Date: **08/09/07**

BY: **TAS**

Manual Specification

CURBSIDE

Item No. **(1)**



* Optional Parts not shown

Item No.	Qty.	Part No.	Description
1	1	35009005	36" Window, Slider
2	1	35009005-R	Window Ring, Slider
3	1	30009017	Window Seal, Slider
4	1	35009004	36" Window, Egress
5	1	35009004-R	Window Ring, Egress
6	1	30009017	Window Seal, Egress
7	1	35009012	24" Window
8	1	35009012-R	24" Window Ring
9	1	30009017	24" Window Seal
10	~		Aluminum Trim Screws
11	~		3/8" Hex Head Self Tappers
12	2	*01032225	Drip Rail
13	1	80003006	Vinyl Seal
14	1	21-005-005	Mudflap W/Screenprint
15	1	36202002	Wheel Well Trim
16	1	70008998	Vinyl Side Trim
17	1	60009074	Amber Side Marker Light
18	2	26-001-011	Valve Stem Extender Kaper II Simulators
19	1	*01032210	PS Skirt 20 x 108
20	1	80008999	Reflector, Red Rectangular
21	1	34112039	Red Side Marker Light
22	1	22041017	Rear Vinyl Trim Strip
23	4		Screw, Phillips Head, Silver
24	2		Screw, Phillips Head, Silver
25	18		Self Tapping, Screw, Phillips
26	~		Screw, Phillips Head, Black Window
27	2		Skirt Mounting Bracket
28	2		Hex Head Bolt

Item No.	Qty.	Part No.	Description
29	2		Screw, Phillips Head, Silver
30	2		Screw, Phillips Head, Silver
31	~	70008999	Aluminum Trim
32	3		Flat Washer, Mudflap
33	3	60009000	Ground Light
34	6		Screw, Phillips Head, Ground light
35	1	07-001-022	Battery Box Door
36	1		Battery Box Door Prop
37	2		Screw, Phillips Head, Prop
38	2		Flat Washer, Batt. Box Door Prop
39	1	35009001	PS Wing Window
40	1	35009001-R	Trim Ring, PS Wing
41	1	30009017	Seal, Window, PS Wing
42	1	*03114080	PS Wing
43	1		Seal, PS Wing
44	~		Screw, PS Wing
45	1	*01032208	Outer Wall Upper Sheet - 12 x 200
46	1	*01032205	Outer Wall Lower Sheet - 33 x 200
48	~	80003006	Vinyl Gutter Insert

EXTERIOR WALL MATRIX

MODEL	TOP	MIDDLE INSERT	BTM	BODY LENGTH
STAR LITE	12	33	33	150.0"
ALL STAR	12	33	33	150.0"
ALL STAR	12	33	33	163.0"
ALL STAR	12	33	33	175.0"
ALL STAR	12	33	33	190.0"
ALL STAR	12	33	33	199.0"

Document Information

Manual Title: **Exterior Information**

MD No.: **08-13-07 Allstar Ford IMI 04**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Exterior Side CARE &
MAINTENANCE

Critical Process No.
Process No.

Item No.

SUGGESTED DAILY/WEEKLY INSPECTION/MAINTENANCE CHECK LIST

DATE: _____

PART	SUGGESTED MAINTENANCE	NOTES	COMPLETED BY
Exterior body panel & Fiberglass components	Clean road film and dirt from body panel by wetting down with a hose and wiping with a sponge or cloth. Never use harsh abrasives or strong solvents on the bus exterior.		
Roof Area	Inspect cap for scrapes or cuts caused by tree limbs or other overhanging obstructions. Repair as necessary. Wash dirt and grime from rear cap using a mild household detergent.		
Seams, Rub Rails and Moldings	Inspect for damages, scrapes, cuts or cracks. Repair as necessary.		
Lights Emergency, directional, hazard, clearance, marker, ect.	Inspect each light to confirm they are working properly. It is recommended to have a person on the exterior checking the lights as a second person inside the vehicle activates the lighting. Replace any blown or damaged bulbs/fixtures immediately.		
Under body	Clean off any road debris, dirt and salt from the underbody. These circumstances can accelerate the corrosion of the components under the vehicle such as the frame, suspension, exhaust parts, etc.		
Reflectors	Inspect to ensure the reflectors are in place		
Mirrors	Inspect to ensure the mirror heads and support arms are secure and the bolts and mounting brackets are not damaged or loose. Check power operations where applicable. Secure or replace items as necessary. Clean with a standard glass cleaner.		
Skirting	Inspect for scratches, cracks or damage. Repair or replace as necessary. On the steel skirting, check that the skirt has not been hit and is not interfering with the tires or restricting any other function under the bus.		

Document Information

Manual Title: **Exterior Information**

MD No.: **08-08-07 Allstar**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Trim & Accessories
R&R INSTRUCTIONS

Critical Process No. **1**
Process No. **1**

Item No. **1**

Passenger Side Removal/Installation Instructions

Removal

- Remove gimp around wing.
- Remove screws at angle portion of window.
- Remove 1 bolt at each side of bottom of wing.
- Remove two bolts at top where it connects cap.

Reinstallation

- Replace gimp around wing.
- Position wing onto bus body side.
- Reinstall bolts to wing and body of bus.
- Reinstall bolts at top of wing to cap.
- Replace screws at top angle of wing.

Labor Allowance

.7 hr

Skirting Removal/Installation Instructions

Removal

- Remove condensor screens (Road side only).
- Remove side marker lights (Road side only).
- Remove battery door, when necessary (Road side only).
- Remove gimp and trim around skirting.
- Remove wheel well molding.
- Score seam with a putty knife to cut double sided tape loose.
- Skirting can now be pulled off.

Reinstallation

- Reinstall double sided tape to the skirting.
- Position skirt onto bus body.
- Reinstall gimp and trim.
- Reinstall wheel well molding.

Labor Allowance

2-3 hr

Number **Critical Process**
Description

Document Information

Manual Title: Exterior Information	MD No.: 08-09-07 Allstar	Sheet: 1 of 1
	REV. Level: A	Date: 08/08/07
	Model: Allstar Ford	BY: Tas

Manual Specification

Trim & Accessories
R&R INSTRUCTIONS

Critical Process No. 1
Process No. 1

Item No. 1

Wheel Well Removal/Installation Instructions

Removal

- Remove 6 self tapping screws from perimeter of wheel well.
- Remove wheel well molding.

Reinstallation

- Position wheel well molding onto bus and replace screws.

Labor Allowance **.5 hr**

Bumper Removal/Installation Instructions

Removal

- Remove 6 self tapping screws.
- Remove 3 screws holding bezel to neck.

Reinstallation

- Position bezel and fuel fill neck to bus.
- Replace screws.

Labor Allowance **.3 hr**

Number	Critical Process Description
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	Model: Allstar Ford	BY: Tas

Manual Specification

Side Mirrors R&R INSTRUCTIONS	Critical Process No.	Item No.
	Process No.	

1

1

1

Curb Side Mirror

Removal

- Remove 6-1/4" RIV nuts from mirror on the fender.

Reinstallation

- Replace mirror over existing holes.
- Replace 6 RIV nuts.

Labor Allowance .3 hr

Street Side Mirror

Removal

- Remove black triangular shaped access panel driver door by popping it off door.
- Remove 3-7/16" nut screws from inside door.

Reinstallation

- Reposition mirror over existing holes.
- Replace 3-7/16" nuts.
- Replace access panel.

Labor Allowance .3 hr

Document Information

Manual Title: **Exterior Information**

MD No.: **08-09-07 Allstar**

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Date: **08/08/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Windows R&R
INSTRUCTIONS

Critical Process No.

1

Process No.

1

Item No.

1

Complete Window Removal/Installation Instructions

Removal

- Remove luggage racks, if applicable.
- While one person removes the screws (8x 3/4" black oxide pan quad) from the interior trim ring/garnish, a second person is required to hold the window from the outside to prevent window from falling out.
- When all screws have been removed from interior trim ring, window will be loose. The person on the outside can now lift window out of opening.

Reinstallation

- Prep window by cleaning outer ring of the inside of the window with rubbing alcohol.
- Apply clean seal around outer ring of inside window.
- Position a new trim ring on interior of window opening. While holding trim ring, have a second person on the outside place window into opening. Pushing window into trim ring. Making sure window is flush on all sides.
- Reinstall all screws starting at each corner to pull the window into place, then working down the sides to the bottom.

Labor Allowance

.8 hr

Slider Vent Window Removal/Installation Instructions

Removal

- Slide window open.
- Using needle nose plier, remove slide track. Slide window over to where track has been removed and tilt out of frame.

Reinstallation

- Tilt slider window and place in window frame. Slide to "open" position.
- Replace slide track by pressing into window frame.
- Slide window closed.

Labor Allowance

.5 hr

NOTE: On slider windows, dirt and debris can collect in the slider track, which will not allow the window to seal completely allowing water to enter into the interior of the vehicle. Please make sure these tracks are cleaned regularly.

Document Information

Manual Title: **DOORS AND COMPONENTS**

MD No.: **08-09-0 Allstar**
REV. Level: **A**
Model: **Allstar Ford**

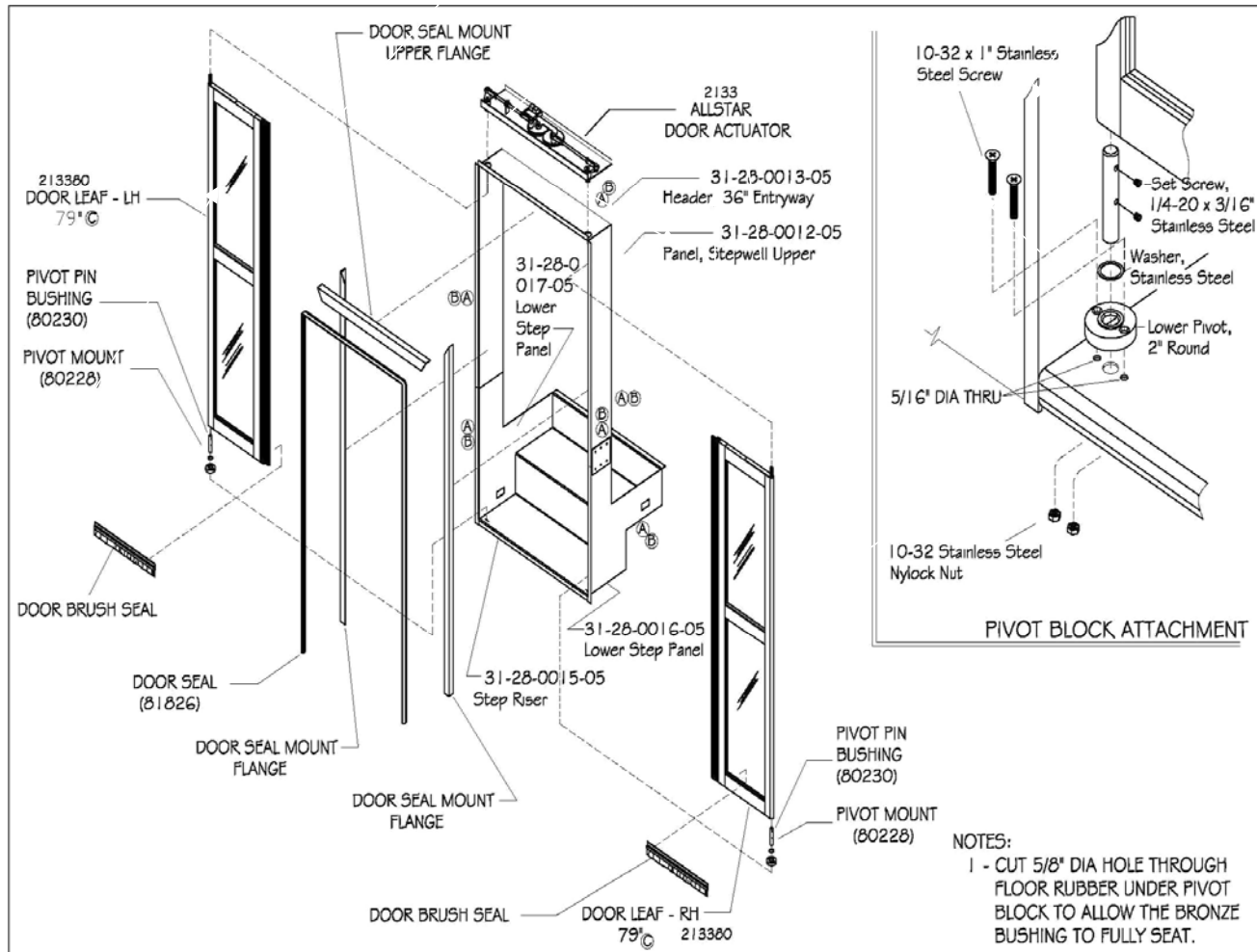
Sheet: **1 of 1**
Date: **08/08/07**
BY: **Tas**

Manual Specification

36 ENTRY DOOR
ELECTRIC CONTROL

Critical Process No.
Process No.

Item No.



SEE PAGE 49 FOR PART LISTINGS

Item No.	Qty.	Part No.	Description	Item No.	Qty.	Part No.	Description

REFERENCE PAGE 49 FOR ADDITIONAL PARTS DESCRIPTION

Document Information

Manual Title: **Interior Information**

MD No.: **08-09-07 Allstar**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/08/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

**36" ENTRY DOOR
MANUAL CONTROL**

Critical Process No.
Process No.

Item No.

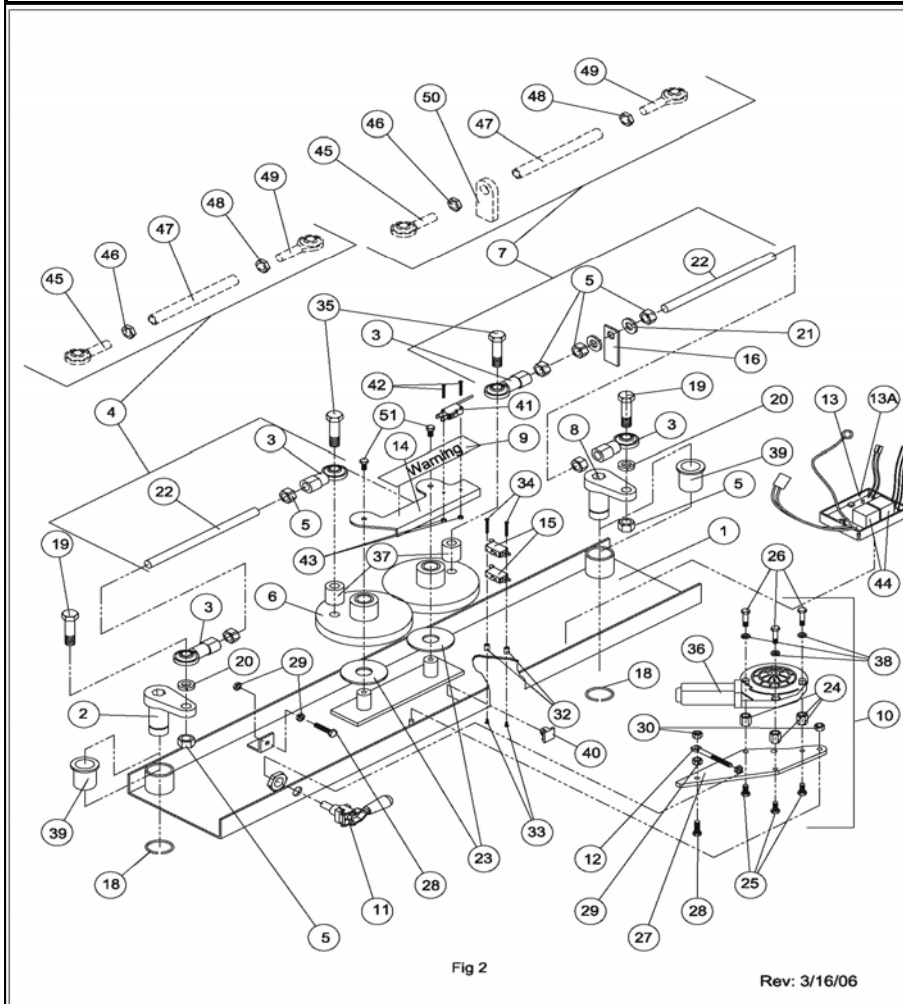


Fig 2

Rev: 3/16/06

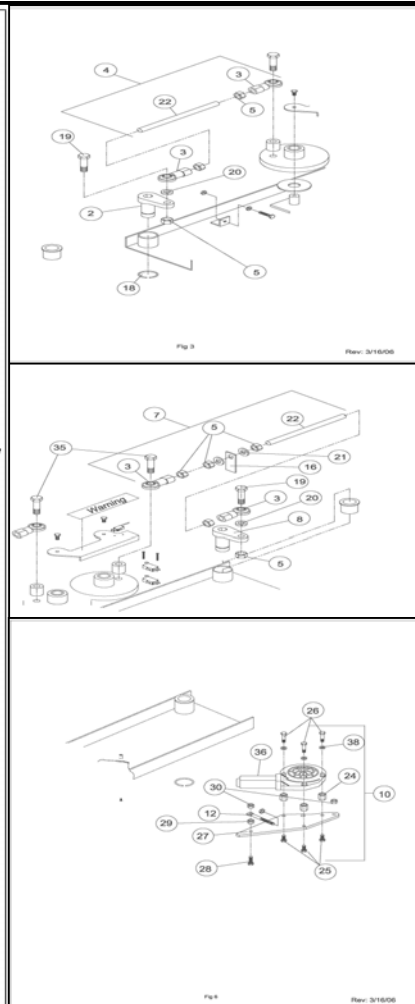


Fig 3

Rev: 3/16/06

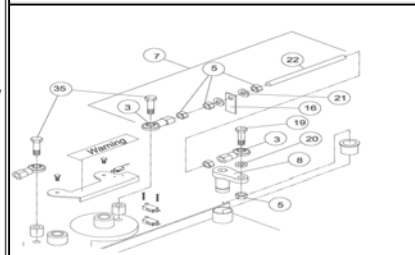


Fig 4

Rev: 3/16/06

Model: 2133, 2133.1, 2133.2, 2133.3, 2145

Index No.	Part No.	Description	No Req'd	Replaces
1	M1524E	2133 Base plate weldment, with bushings	1	1133WELD
1	M1532E	2133.1 Base plate weldment, with bushings	1	1133WELD
1	M1535E	2133.2 Base plate weldment, with bushings	1	1133WELD
1	M1550E	2133.3 Base plate weldment, with bushings	1	
1	M1533E	2145 Base plate weldment, with bushings	1	
2	1002	Actuator arm, forward	1	30002WT
3	1025	Rod end	4	35398189
4	2133PPF	Push-pull rod assembly, forward (all models)	1	2133PPF
5	9017	Nut, 1/2-20 zinc plated	10	36160
6	1011	Gear, with bushing	2	S1680
7	2133PPA	Push-pull rod assembly, aft (all models)	1	2133PPA
8	1001	Actuator arm, aft	1	30002BK
9	1021	Placard, warning	1	AMS003
10	1015	Motor assembly	1	A416ASY
11	1009	Emergency release lever	1	6966154
12	1008	Bolt, hanger, 1/4 flattened end x 2"	1	90172A542
13	1020	PC board (Obsolete)	1	2579E
13	2020	PC board	1	2579E
14	M1493	Gear stabilizer	1	
15	1030	Switch, limit	2	54045265
16	AR1007	Switch tab	1	
18	9028	Snap ring, (1" shaft)	2	98410A133
19	9004	Bolt, 1/2-20 x 1-1/4" zinc plate grade 5	2	17212
20	9012	Lock washer, spring type, 1/2"	2	13626
21	9030	Lock washer, star 1/2" plated	2	013626
22	1031-11.50	2133 Threaded rod, 1/2-20 plated (11.50")	2	47266-1075
22	1031-11.75	2133.1-3 Threaded rod, 1/2-20 plated (11.75")	2	47266-1075
22	1031-17.00	2145 Threaded rod, 1/2-20 plated (17.00")	2	47266-1075
23	1010	Fiber washer	2	90132A556
24	1016	Motor spacer	3	
25	9006	Bolt, 1/4-20 x 1/2"	5	
26	9007	Bolt, 1/4-20 x 1-3/8"	3	
27	M1494	Motor mount	1	
28	9005	Bolt, 1/4-20 x 1"	2	13005
29	9019	Nut, plain, 1/4-20	4	0136102
30	9018	Nut, nylock, 1/4-20	2	0137018
31	9024	Rivet, 1/8 x 1/2	2	76801158
32	1029	Standoff, 1/4 OD x 3/8 LG, 4-40 thread	2	67731968
33	9027	Screw, 4-40 x 1/4 Flat Phillips Head	2	29371
34	9026-1.00	Screw, 4-40 x 1" Round Phillips Head	2	28678
35	9029	Bolt, 1/2-20 x 2-1/2"	2	
36	1068	Motor	1	
37	AR1010	Spacer	2	
38	9031	Washer, 1/4 SAE Flat Zinc	3	

39	1057	Flange bushing	2	
40	KKD8	Wire Clip	1	

Part numbers starting with "9" may be purchased at your local hardware supplier

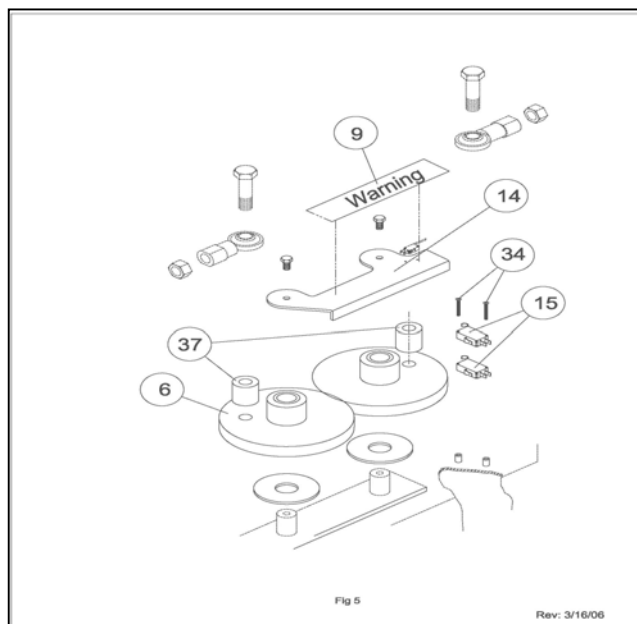


Fig 5

Rev: 3/16/06

Document Information

Manual Title: **Door And Components**

MD No.: **08-09-07 Allstar**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/08/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Entry Door R&R
INSTRUCTIONS

Critical Process No.

1

Process No.

1

Item No.

1

Door Component Removal/Installation Instructions

Seal Brush

Removal

- Open door, slide brush along track outward to remove.

Reinstallation

- Slide replacement brush all the way into the track.

Labor Allowance

.2hr

Seal Brush Track

Removal

- Remove seal brush.
- Remove track by drilling out the pop rivets.

Reinstallation

- Position new track in place.
- Replace new track onto door frame with 1/4" Pop rivets.
- Replace seal brush.

Labor Allowance

.3 hr

Door Center Brace

Removal

- Drill out 1/4" rivets.

Reinstallation

- Position new brace and install new pop rivets.

Labor Allowance

.3 hr

Relay

Removal

- Remove entry door header panel.
- Unplug wires from relay (2).
- If changing out both, be careful not to exchange parts.

Reinstallation

- Reconnect wires to new relay(s).
- Reinstall door header.

*Symptoms of bad relay(s): Stepwell light will not stay on with out holding button.

Document Information

Manual Title: **Door And Components**

MD No.: **08-09-07 Allstar**

Sheet: **1 of 1**

REV. Level: **A**

Date: **08/09/07**

Model: **Allstar Ford**

BY: **Tas**

Manual Specification

Entry Door R&R
INSTRUCTIONS

Critical Process No.

1

Process No.

1

Item No.

1

Complete Door

Removal

- While a person is holding the door, remove two allen head 9/16" nuts from the pivots base the bottom inside corner of the door.
- Remove the pivot base.
- Tilt the door outward slightly while pulling down on the door. You may need to "twist" Door from side to side to release the door. There is a 6" hex shaped rod at the top of the door going into the door header.

Reinstallation

- Insert hex rod into hole in door header.
- Push door upward until it is all the way to the top of the header.
- Reinstall the pivot base.

Labor Allowance

.5hr

Bulb Seal-Small

Small goes along each side of door frame

Removal

- Lift edge of seal and pull seal from track.

Reinstallation

- Insert one end of seal into track and press into track. Continue until all of seal is pressed into track.

Labor Allowance

.3 hr

Bulb Seal - Large

Wide goes along top of door frame and is screwed into place.

Removal

- Remove screws from seal.
- Lift edge of seal and pull seal from track.

Reinstallation

- Insert one end of seal into track and press into track. Continue unit all of seal is pressed into track.
- Replace screws.

Labor Allowance

.3 hr

Entry Door Motor

Labor Allowance

2.0 hr

Document Information

Manual Title: **Doors - Allstar Ford**

MD No.: **08-01-14-07**

REV. Level: **A**

Model: **Allstar Ford**

Sheet: **1 of 1**

Date: **08/09/07**

BY: **TAS**

Manual Specification

Item No. **(1)**



Item No.	Qty.	Part No.	Description	Item No.	Qty.	Part No.	Description
1	1	64008998	Door Actuator.36" STD Door	24	1		Seal, W/C Door, Upper
2	1	*01032221	Door Seal Mnt., Upper Flange	25	2		Seal, W/C Door, Bottom
3	1	*01032204	Door Leaf, LH & RH SET	26	1		Seal, W/C Door, Center
4	2	07-001-026	Pivot Pin Bushing	27	2	35009008	12"x 36" Dbl.Wheel chair
5	2	07-001-025	Pivot Mount	28	2	35001021	Window seal
6	2	80009215/80009216	Door Brush Seal	29	2	35009008-R	Window Ring
7	1	30009017	Door Seal	30			
8	2	*01032221	Door Seal Mnt. Flange	31			
9	1	*01032204	Door Leaf, LH & RH SET	32			
10	~		10-32 x 1" Stainless Steel Screws	33			
11	~		10-32 Stainless Nylock Nuts	34			
12	~	07-001-027	Set Screw, 1/4" x 20 x 3/16" Stainless Steel	35			
13	~	07-001-026	LOWER PIVOT PIN	36			
14	~	07-001-025	Lower Pivot - 2" Round				
15	1	75009021	W/C Door,ALLSTAR				
16	1	75009022	W/C Door,ALLSTAR RAISED FLOOR				
17	1	80005009	Door Latch Assy.				
18	2		Screw, Stainless Steel, Phillips				
19	1	Non-Replacable	W/C Door Trim, Bottom				
20	1	Non-Replacable	W/C Door Trim, Top				
21	2	Non-Replacable	W/C Door Trim, Sides				
22	1	74001000	W/C Door Hinge, LH				
23	1	74001000	W/C Door Hinge, RH				