



# Technical Service Bulletin

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| SUBJECT:<br><b>PDI PROCEDURES FOR 2017 i-MiEV</b>   |   | No: <b>TSB-16-00-004</b>                               |   |
|   |   | DATE: <b>April, 2016</b>                               |   |
|   |   | MODEL: <b>2017 i-MiEV</b>                              |   |
| CIRCULATE TO:                                       | <input type="checkbox"/> GENERAL MANAGER            | <input checked="" type="checkbox"/> PARTS MANAGER      | <input checked="" type="checkbox"/> TECHNICIAN    |
| <input checked="" type="checkbox"/> SERVICE ADVISOR | <input checked="" type="checkbox"/> SERVICE MANAGER | <input checked="" type="checkbox"/> WARRANTY PROCESSOR | <input checked="" type="checkbox"/> SALES MANAGER |

## PURPOSE



This bulletin contains Pre-Delivery Inspection (PDI) procedures, both technical and detail, specific to the **2017 Mitsubishi i-MiEV**. Please refer only to PDI instructions contained in this bulletin when preparing new i-MiEV vehicles for sale and delivery.

A Pre-Delivery Inspection form is included in the **Welcome Delivery** envelope, which also contains a Welcome Delivery form and an Owners Quick Reference Guide, should be used for all PDIs.

*Note: Additional Mitsubishi i-MiEV Welcome Delivery Envelopes may be ordered from Fontis Solutions by clicking the link on the main page of the MDL. If you need help with ordering, contact them at 1-800-924-1350, or at <https://mmna.imgps.com>, for assistance.*

**NOTE: Items shown as underlined and/or in red text are IQS (Initial Quality Survey) sensitive items. Give extra attention to these items for improved IQS and customer satisfaction.**

## BULLETIN CONTENTS:

|   |         |
|---|---------|
| BACKGROUND INFORMATION .....                  | Page 2  |
| SPECIAL SAFETY INSTRUCTIONS .....             | Page 2  |
| TECHNICAL INSPECTION .....                    | Page 3  |
| BEFORE YOU START .....                        | Page 3  |
| A. Vehicle Readiness .....                    | Page 3  |
| B. Interior – Functional Operation .....      | Page 4  |
| C. Underhood .....                            | Page 5  |
| D. Walkaround Inspection .....                | Page 6  |
| E. Motor Compartment .....                    | Page 8  |
| F. Under Vehicle .....                        | Page 9  |
| G. Road Test .....                            | Page 9  |
| H. Final Steps for Technical Inspection ..... | Page 13 |
| DETAIL INSPECTION                             |         |
| A. Detailing <b>Before</b> PDI .....          | Page 13 |
| B. Detailing <b>After</b> PDI .....           | Page 14 |
| FINAL DELIVERY PREPARATION .....              | Page 16 |
| COMPLETING THE PDI FORM .....                 | Page 18 |
| PARTS INFORMATION .....                       | Page 19 |
| WARRANTY INFORMATION .....                    | Page 19 |
| SAMPLE PRE-DELIVERY INSPECTION FORM .....     | Page 20 |

## BACKGROUND INFORMATION

The 2017 i-MiEV requires specific steps for a thorough PDI. The processes described in this bulletin were developed to ensure a “fault-free” delivery of electric vehicles. As in previous PDI instruction bulletins, the Technical and Detail procedures are divided into separate sections.

This bulletin contains general descriptions of most required Technical and Detail inspection checks organized in a logical and time-efficient order. It is critical that all the steps are completed **while keeping the vehicle clean inside and out during the entire PDI process.**

**The PDI process is important. Remember to:**

- Avoid pressure to rush through PDI.
- Never skip steps on the PDI form.

**Once you are familiar with these procedures, the PDI checklist acts as your guide to the process.**

**NOTE: If any repairs are needed, ensure they are made before the customer takes delivery of the vehicle. Any defects in materials and/or workmanship discovered during PDI should be corrected and claimed under warranty. Adjustments and repairs are not part of the PDI flat rate time.**

## SPECIAL SAFETY INSTRUCTIONS

### **WARNING**

When charging the vehicle, to reduce the risk of electric shock or fire due to electric leak, always use an outlet protected by a ground fault circuit interrupter (GFCI), rated for 15A or more, that is connected to a dedicated branch circuit.

Wiring harnesses wrapped in orange plastic are high voltage (330V) circuits. Severe or fatal injury can occur if the following precautions are not followed:

- Always wear insulated Personal Protective Equipment (PPE). These are **ESSENTIAL** tools and are included with the new dealer tool kit. Missing or damaged tools can be ordered online through the [mitsubishidealersolutions.com](http://mitsubishidealersolutions.com) website, or by calling Bosch Automotive Service Solutions at (888) 727-6672.
- Ensure the ground is dry and clear of debris.
- If a high voltage connection requires attention, always refer to the Service Manual for instructions, and disconnect the high voltage plug located on top of the main drive lithium-ion battery, behind a removable panel under the driver's seat.
- Never directly touch any exposed high voltage wiring cables, protective covers detached from high voltage components, or high voltage components that might be damaged.
- If leakage of a clear, odorless fluid is observed under the body, it may be electrolyte leaking from the main drive lithium-ion battery. This electrolyte is flammable, and poisonous acid gas will evaporate from the electrolyte. Wear an organic mask, solvent-resistant gloves (or heavy-duty rubber gloves) and eye protection. Use an absorption mat or sand to absorb spilled electrolyte.
- If electrolyte comes into contact with your skin, flush with water immediately.
- If electrolyte gets into your eyes, do not rub your eyes. Immediately flush your eyes with a large quantity of water and seek medical treatment as soon as possible.



## TECHNICAL INSPECTION

### **!! IMPORTANT !!**

**DO NOT offer any vehicle for sale if it has an outstanding recall campaign. Doing so subjects the dealer to large fines. Check the Superscreen for possible outstanding recalls.**

Use this TSB and the PDI checklist as a guide. After completing each step, check off the procedure on the checklist. The sequence in which you perform the steps may vary depending on your dealership's procedures, facilities, and the vehicle itself. Be sure that all pertinent steps are checked on the checklist. Be sure the PDI checklist is signed and dated, and a copy is filed in the "vehicle packet" and service file at your dealership.

### **BEFORE YOU START:**

Make sure the following information is recorded in the proper spaces on the PDI form.

- Vehicle Identification Number (VIN)
- Dealer stock number
- Model Year
- Ignition key code

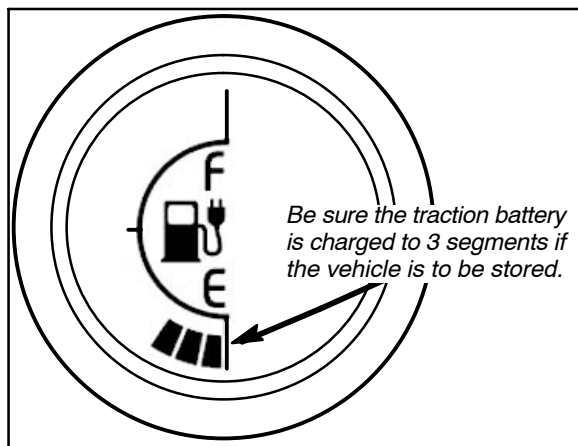
## **A. VEHICLE READINESS**

Before you start the inspection, retrieve the floor mats from the trunk. Retrieve the license plate mounting hardware, radio antenna, and any other shipped loose items as applicable.

### **1. Confirm key operation.**

All i-MiEVs are equipped with an immobilizer. The electric motor switch must set the vehicle to READY status using all keys. Turn the electric motor switch to START and confirm the READY indicator on the dash lights using each key.

If READY status cannot be set, one or more keys may not have been registered, or there may be an immobilizer system fault. Refer to the Service Manual for diagnostic procedures, and use MEDIC and/or the Mitsubishi Dealer Link (MDL) site to search for TSBs relating to immobilizer key registration policies and procedures.



### **2. Check Main Drive Lithium-Ion Battery (traction battery) charge level.**

Turn the power switch to the ON position. Confirm the battery level gauge on the instrument panel displays sufficient charge to complete PDI. Charge the traction battery if necessary.

**NOTE: When the PDI is complete, you must confirm the traction battery charge is 3 segments if the vehicle is to be stored. Consider this when deciding if charging is necessary to complete PDI.**

### **3. Check that the Level One charging cable and storage pouch are in the cargo area. A string for hanging the Charging Circuit Interruption Device (CCID) should be inside the storage pouch.**

### **4. Install all shipped loose items (floor mats, antenna masts, wheel caps, front license plate anchors, etc.).**



## B. INTERIOR – FUNCTIONAL OPERATION

**NOTE:** Turn the electric motor switch to the ON position while doing this inspection.

### 1. Check WINDOW OPERATION, SEAT ADJUSTMENT, AND SEAT BELT operation.

#### Windows

Check for proper window tracking, complete up and down travel, lockout function, and proper sealing. Check that the driver's door "one touch down" feature functions normally.

#### Seat Adjustment and Seat Belt/Head Restraint Operation

- a. Make sure the seatbacks for driver and all passengers (front and rear) adjust and lock in all positions.
  - b. Confirm seat track adjusters operate and lock throughout their entire travel (front seats). Leave the driver's seat height adjuster (if equipped) in the lowest position for maximum head room.
  - c. Check heated front seat operation (driver's and passenger's).
  - d. Check HEAD RESTRAINTS.  
Ensure all head restraints are properly installed. Inspect the height adjustment for smooth operation.
  - e. Check ALL SEAT BELTS for condition and operation.
    - Inspect all seat belts and harnesses to ensure they connect and hold properly.
    - Inspect front seatbelt height adjuster operation and condition of the seat belts and anchors.
    - Inspect for proper seat belt retraction.
    - Check that safety labels regarding use of seat belts and air bags are in place.
- ### 2. INTERIOR AND INSTRUMENT PANEL LIGHTS.

Check that all interior lights operate:

- Dome light(s)
- Map light(s)
- Passenger airbag system lights
- Instrument panel illumination and dimmer function

**NOTE:** Leave the instrument panel illumination on the brightest setting. Position the dome light switch so the light is on when a door is open and off when all doors are closed. Repeat for the cargo area light when the liftgate is open. Refer to the Owner's Manual for instructions on adjusting these settings.

### 3. INSIDE AND OUTSIDE MIRRORS.

Check and adjust exterior mirrors. Ensure the inside rear view mirror holds its adjustment. Make sure the anti-glare function operates properly (if equipped).

### 4. HORN.

Ensure the horn functions from several points on the horn pad.

### 5. AUXILIARY POWER SOCKET(S).

Check the auxiliary power socket for proper operation.

### 6. SET CLOCK AND ALL RADIO STATION PRESETS.

Set the clock to the correct time. Set ALL "AM," "FM1," and "FM2" preset buttons to a variety of strong local stations.

## 7. **AUDIO SYSTEM OPERATION.**

Check **radio** and **speaker** operation for:

- Volume
- Reception of AM and FM stations.
- Tone (bass and treble)
- Balance/Fader Controls
- **CD player, including CD-changer** (if equipped)
- **Rattling or vibrating speakers**
- Check function of “USB” connection (if equipped)

**NOTE:** Adjust the treble, bass, balance, and fader controls to their center position after inspection.

## 8. **PASSENGER AIRBAG AND SEATBELT LIGHT FUNCTIONS.**

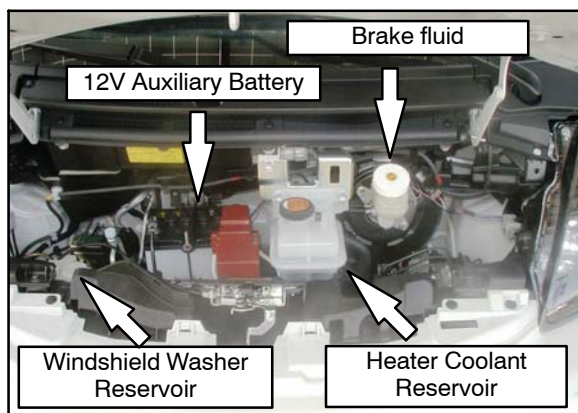


Have someone sit in the front passenger seat and verify the “PASSENGER AIRBAG OFF” light goes out. Verify the passenger seat belt reminder light is on when the seat belt is unfastened, and goes off when it is fastened.



## C. UNDERHOOD

**!! IMPORTANT !! Use fender covers to protect the vehicle body.**



1. **CHECK HOOD LATCH AND SAFETY CATCH.**  
Make sure the hood release lever pulls evenly and the hood cannot be lifted without releasing the safety catch.
2. **Check 12V AUXILIARY BATTERY charge using your Midtronics Battery Tester.** Check that auxiliary battery cable terminals and additional wires attached to the positive terminal are tight and the battery is secure in the tray.  
Ensure the auxiliary battery is fully charged (minimum 12.4V). If charging is necessary, follow the Service Manual procedures for auxiliary battery charging. Remove the battery maintenance tag (if equipped) and file it in the vehicle file with other PDI documentation.

### 3. **BRAKE FLUID LEVEL.**

Compare the brake fluid level to the scale on the master cylinder reservoir. It should be at the FULL mark. Add brake fluid if necessary.

**NOTE:** Use genuine Mitsubishi BRAKE FLUID, part number MZ311987 or equivalent (DOT 3 or 4).

### 4. **Check HEATER COOLANT AND WINDSHIELD WASHER FLUID LEVELS.**

Add fluid if necessary.

**Coolant:** Use **only** DiaQueen Super Long Life Coolant Premium (genuine Mitsubishi COOLANT, part number MZ320125).

**Washer Fluid:** – Use genuine Mitsubishi Washer Fluid (part number ACH3ZC1X07) or equivalent.

### 5. **Check for FLUID LEAKS.**

### 6. **Check for LOOSE ATTACHMENTS.**

Check for loose parts, wiring harness and cable clips and connections, incorrectly routed hoses and harnesses, and insufficient clearance of components to moving engine parts.



## D. WALKAROUND INSPECTION

Before starting this section, turn the electric motor switch to the ON position and place the transmission selector in “R” (reverse) with the parking brake applied.



**WARNING**

**MAKE SURE THE READY INDICATOR IS NOT ILLUMINATED.**

### 1. Check **EXTERIOR LIGHTS**.

Ensure ALL exterior lights operate properly. Check for chipped or cracked lenses. On vehicles with AUTO-OFF headlights, turn on the headlights and turn the ignition OFF. The headlights, side-marker lights, and taillights should turn off when the driver’s door is opened. Be sure to turn ALL lights OFF after completing inspection. Return the transmission selector to “P” (park).

Confirm the regular charging port light comes on when a door or the liftgate is opened or when unlocking the doors using RKE.

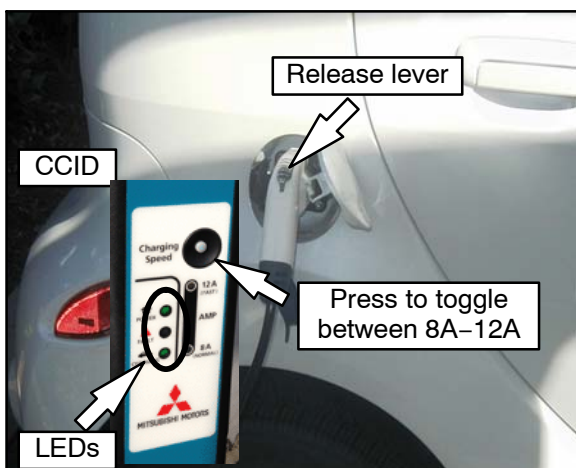
Turn the electric motor switch to the “LOCK” position.

### 2. CHECK SUPPLIED 8A/12A LEVEL 1 CHARGING CABLE CONNECTION TO CHARGING PORT.



#### **Charging Port Doors**

- Release the Level 1 and 2 charging port door (passenger’s side). The release lever is on the driver’s side of the dash, below the left outer air outlet.
- Release the Level 3 (Quick Charge) charging port door on the driver’s side) (if equipped). The release lever is under the driver’s seat.
- Confirm both close properly with moderate effort.



#### a. **Check proper connection of cable to vehicle.**

- Confirm the cable locks in place, and releases with moderate effort when the release lever is pressed.

#### b. **Charge Indicator on Cable (Charging Circuit Interrupting Device).**

Plug the cable into a 110V electrical outlet, then connect the charging connector to the Level 1 charging port.

- Confirm the READY (Green) LED is lit when the plug is connected to an electrical outlet.
- Switch between the 8A and 12A settings and confirm both modes can be selected BEFORE connecting charging cable to vehicle.
- Confirm the CHARGE (Amber) LED is lit when the cable is connected to the Level 1 charging port on the RH side of the vehicle.

#### c. Confirm the charging indicator in the energy level gauge blinks when first connected to the charging port, and is illuminated to show the battery is charging.



**Charging indicator (located in the energy gauge):** Indicator blinks when regular charging connector is first connected to the charging port, and remains illuminated when charging begins.





d. **“i” Remote.**

**Connect the vehicle to a charging source and check the functions of the “i” Remote.**

The “i” Remote can be used to check main drive battery level, customize vehicle charging, and can activate the HVAC during charging to cool or warm the interior.

Follow these instructions to check the remote. Refer to the Owner’s Manual for complete instructions.

- Begin charging the vehicle using the Level 1 or Level 2 cable.
- Press the On/Off/Send button for approximately 2 seconds to turn the remote on.
- Check the traction battery level displayed on the remote (circled) is approximately the same as the display on the instrument panel.

| <b>“i” Remote Segments</b> | <b>Gauge Display (Segments)</b> | <b>Charge Level</b> |
|----------------------------|---------------------------------|---------------------|
| 0                          | 0–2                             | 0–19%               |
| 1                          | 3–7                             | 20–49%              |
| 2                          | 8–12                            | 50–79%              |
| 3                          | 13–16                           | 80–100%             |

3. **REMOTE KEYLESS ENTRY (RKE), ALL DOOR LOCKS AND LATCHES.**

**RKE (if equipped)**

Check the door and liftgate locking and unlocking features.

Make sure the key is removed from the ignition. Close all doors, the hood, and liftgate.

- Press the “Lock” button once to lock all doors and the liftgate.
- Press the “Unlock” button once to unlock the driver’s door.
- Press the “Panic” button (if equipped) for 2 seconds to test the panic alarm. Press again to turn off the panic alarm.

**NOTE:** Ensure the vehicle’s answerback feature is in the full–function answerback mode, where both the horn and parking lamps signal when the doors are locked. Refer to the vehicle Owner’s Manual for programming information.

**Theft Alarm**

- Lower the driver’s window. Remove the key from the electric motor switch and exit the vehicle.
- Close all doors, the hood, and liftgate, and lock them using the transmitter. The security indicator on the instrument panel will remain on for about 20 seconds and then blink at a slow rate when armed.
- Reach through the open window, manually unlock the door, then open it. The alarm horn should sound and the headlights should flash.

**TO DEACTIVATE THE ALARM:**

Press the Unlock button on the transmitter, or turn the ignition switch to the ACC or ON position.

- Repeat steps a. through c. on the front passenger’s door and rear doors.
- Repeat steps a. through c. using the trunk release button.

### **Door Locks and Latches**

Close each door to check the latch and lock mechanisms. If adjustments are required, refer to the appropriate Service Manual. Submit a warranty claim for any adjustment performed.

### **Child Safety Door Lock Operation**

The rear door should not open from inside when the lever (located on the inside rear area of the door near the latch mechanism) is in the Lock position.

**NOTE:** Set the lever to the unlock or “FREE” position when you are finished checking its operation.

#### **4. TRUNK/LIFTGATE, CARGO LIGHT OPERATION AND CARGO AREA TRIM APPEARANCE.**

Check for liftgate closing quality (make sure it closes easily) and fit. Fit should be uniform.

- a. Verify all trim is installed properly.
- b. Confirm cargo area light is on when the liftgate is open and off when it is closed.

#### **5. Check LIFTGATE LATCH operation.**

With the vehicle unlocked, make sure the liftgate opens when the release button above the license plate area is pressed, and closes with normal effort.

#### **6. TIRE REPAIR KIT AND TOOLS.**

The vehicle is equipped with a tire repair kit in place of a spare tire. Check the contents of the tire repair kit. The kit (inflator, hose, spare valve and valve removal/installation tool) is under the right side rear seat cushion. Remove the seat cushion and the RH rear floor cover panel.



## **E. MOTOR COMPARTMENT**

The motor compartment is under the cargo area floor. Remove the floor cover and ensure that all connections are secure and motor coolant level is correct. Refer to the Service Manual if adjustments are necessary.



**Take extra care when working in the motor compartment. Electrical connections wrapped in orange plastic carry 330V. Ensure the ground is dry and clear of debris. Wear insulated gloves and boots rated at 600V AC and 750V DC when working near live electrical connections.**

1. Check the power unit coolant level.
2. Check for loose attachments, incorrect routing, and insufficient clearances.
3. **EMISSION CONTROL EQUIPMENT.**

The Environmental Protection Agency (EPA) requires this inspection.

Confirm the Vehicle Emissions Control Equipment label (located on the passenger's side of the motor compartment) is for ZEV (zero emissions vehicles).

**NOTE: The EPA requires that dealers visually inspect emission control equipment, including the label, prior to delivery.**





## F. UNDER VEHICLE



Take extra care when working under the vehicle. Electrical connections wrapped in orange plastic carry 330V. Ensure the ground is dry and clear of debris. Wear insulated gloves and boots rated at 600V AC and 750V DC when working near live electrical connections.

During PDI, every vehicle should be put on a lift for under vehicle inspection. Refer to the Service Manual for vehicle lift points.

1. **Remove the BRAKE ROTOR PROTECTION (covers)** [if equipped].
2. **Check for LOOSE ATTACHMENTS.**  
Make sure all wiring harness clips, brake pipe clips, heat shield fasteners, and any other attachments are properly secured.
3. **FLUID LEAKAGE.**  
Check for leaks from the transaxle, motor cooling system and hoses, and A/C lines. Check lines for twists, kinks, and proper routing.
4. **ADJUST TIRE PRESSURE AND INSPECT TIRES FOR DAMAGE.**  
Adjust tire pressure to the specification shown on the Tire Pressure and Loading Label located below the driver's door striker. If a valve stem cap is missing, refer to Mitsubishi ASA CAPS and replace it only with the part number quoted for the vehicle.

**!! IMPORTANT !!** On some models, the factory over-inflates the tires by 50% to prevent flat spots during shipment and storage. It is critical to adjust tire pressures to the proper specifications. Check all tires for damage such as cuts, foreign objects in the tire, or any other imperfections. Remove the tire pressure and tire balance decals from each tire if either or both decals are present.



## G. ROAD TEST

### CONDUCT A FULL ROAD TEST

Road test the vehicle to identify dynamic symptoms that you may need to correct. Use the following instructions as a guide.



**Always follow all traffic laws and safe driving practices. Your route should be relatively free from other traffic so you can safely conduct the test and concentrate on the operation and performance of the vehicle you are testing.**

**NOTE:** The PDI road test should be conducted under a variety of different operating and road conditions.













1. Perform the following before departing on the test drive:
  - Place a thermometer in the center vent before beginning your road test. This will be used later to check the air conditioner operation.
  - Turn the rear defogger switch on to heat the rear glass. You will check if the glass has warmed at the end of the test drive.

### Preliminary Road Test Notes

Before beginning the road test, establish a route that you will use on every test. Recommended road test duration is at least 15 minutes and should include both rough and smooth surfaces.

### Record BEGINNING mileage.

Record the beginning mileage of your road test on the PDI form.

|  |                        |   |
|--|------------------------|---|
| Refer to the Owner's Manual for a complete list of warning indicators. |                        |   |
| • AVAS Indicator   |                        |    |
| • Regenerative Brake Indicator   | RBS                    |   |
| • TPMS Warning   |                        |    |
| • Aux. Battery (12V) Warning   |                        |    |
| • Electronic Pwr. Stg. Warning   | EPS                    |   |
| • Electric Motor Warning   |                        |    |
| • Brake Warning  | <Canada><br><US> BRAKE |    |
| • ABS Warning  |                        |    |
| • Power Down Warning   |                        |    |
| • ASC Indicator  |                        |    |
| • ASC OFF Indicator  |                        |  |
| • Charging Indicator   |                        |  |
| • Driver's Seat Belt Reminder  |                        |  |
| • SRS Warning  |                        |  |

2. **WARNING, INDICATOR LIGHTS, AND GAUGES.**

- a. With the shift selector in P, turn the electric motor switch to ON. The indicator and warning lights shown in the illustration should illuminate.
- b. Fasten the driver's seat belt, apply the brakes and turn the electric motor switch to START until the READY light stays illuminated. All other indicator lights should go out, except the passenger airbag light.
- c. Unfasten the driver's seat belt and verify the driver seat belt reminder light comes on.
- d. Check operation of the seat belt warning buzzer.
- e. Open a door. Verify the "door ajar" light comes on and the key reminder buzzer is heard.
- f. The brake warning light should be lit when the parking brake is applied.
- g. Verify all gauges and lights are working as required.

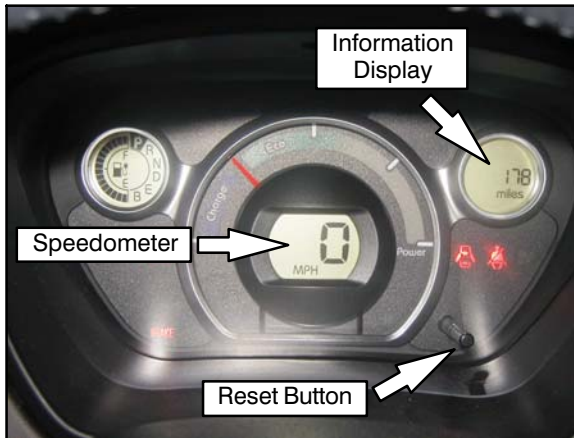
3. **WINDSHIELD WIPER AND WASHER OPERATION.**

**Windshield Washer Operation**

- a. Check washer aim is approximately at the center of the windshield. Make any needed adjustments, referring to the Service Manual. Submit a warranty claim for adjustments performed.
- b. Check that the rear washer delivers sufficient fluid to clean the rear glass.

**Windshield Wiper Operation**

- a. Verify correct front and rear wiper operation during all speeds. If streaking occurs, clean the wiper blades with a cloth soaked in a mild detergent.
- b. Make sure all wipers park properly.



4. **CHECK SPEEDOMETER AND TEMPERATURE READ IN U.S. UNITS.**

Follow these instructions to change between U.S. and Metric units in the information display.

**Speedometer**

Press and release the reset button several times until the odometer is displayed. Then press and hold the release button until you see KPH change to MPH in the display. Only the speedometer display changes. The odometer and other indications always indicate miles (U.S. and Puerto Rico) or kilometers (Canada).

**Outside Temperature**

Press and release the reset button several times until the temperature is displayed. Then press and hold the reset button until you see the temperature change from °C to °F.

Refer to the Owner's Manual for additional information.

5. **Check AVAS (Acoustic Vehicle Alerting System).**

The i-MiEV is very quiet at low speeds and an audible pedestrian alert system has been added. The alert is heard in forward and reverse gears between certain speeds.

- Check that the alert is heard while the vehicle is in gear between approximately 0 and 24 mph (0 and 38 km/h).
- Check that the alert is not heard at speeds less than approximately 2 mph (3 km/h) with the brake pedal depressed, or above approximately 24 mph (38 km/h) while driving.
- Check that the alert is heard while braking and decelerating between 21 and 2 mph (33 km/h and 3 km/h).

6. **TRANSMISSION SHIFT INTERLOCK**

**Check Shift Selector Interlock, Gear Selection and Transmission OPERATION.**

Make sure the shift lever can only be moved when the brake pedal is depressed and electric motor switch is in the ON position.

- a. Confirm shift interlock function. You should **NOT** be able to:
  - shift from P without depressing the brake pedal.
  - remove the key with the shift selector in any position other than P.
- b. Select N and turn the electric motor switch to LOCK and confirm the READY light goes out. Turn the switch to START. The READY lamp should NOT illuminate.
- c. Confirm vehicle moves when D and R are selected.

## 7. Check ELECTRIC MOTOR PERFORMANCE.



### WARNING

**Always follow all traffic laws and safe driving practices.**

Check motor performance under the following conditions. The throttle should be responsive and without hesitation at all throttle applications.

#### **Part Throttle**

With the vehicle at a constant speed (25–35 mph / 40–56 km/h), motor performance should be smooth and without hesitation.

#### **Under Load**

Accelerate to 3/4 throttle. The vehicle should accelerate smoothly, without laboring or hesitation.

#### **At Cruise**

With the vehicle at a constant speed (45–55 mph / 72–88 km/h), performance should be smooth, without hesitation or surging.

## 8. **SQUEAKS, RATTLES, AND WIND NOISE.**

Check for any abnormal noise and vibration during your road test, including driveline, pedal, or steering wheel vibration.

**NOTE:** Be sure to close all windows and turn off the audio during this inspection.

## 9. **STEERING OPERATION AND WHEEL ALIGNMENT.**

Make sure the steering wheel is centered when the vehicle is traveling straight ahead.

The vehicle should track straight on a level surface, without pulling or drifting. If a problem is identified, correct it. Refer to the Service Manual for adjustment procedures.

## 10. **BRAKE PERFORMANCE AND ABS OPERATION.**

### a. **Brake Performance**

The vehicle should brake smoothly and in a straight line. There should be no abnormal noise or vibration during braking. Brake pedal feel should be firm, not soft or mushy.

### b. **ABS Operation**



### WARNING

**Always check that no vehicles are behind you when checking ABS.**

**In a safe location with no other vehicles or objects around**, check ABS system operation. During hard braking, the vehicle should come to a controlled, straight stop. You will feel some pedal pulsation and may hear normal operating sounds from the ABS system.

## 11. **HEATER AND A/C OPERATION.**

Check for proper operation of all modes, air intake selection, and temperature control. Check the fan speed and check for any unusual fan noises.

Using a thermometer in the center air outlet, check for proper cooling when the air conditioner is operating. Refer to the Service Manual for temperature specifications or test conditions for this model. Make sure the air intake control is in the RECIRC position.



### WARNING

**If A/C recharging is needed, use only Mitsubishi Genuine POE Refrigerant Oil for i-MiEV (p/n MZ341005) or equivalent.**

## 12. **Check PARKING BRAKE.**

Park the vehicle on a slight incline and leave the transmission in NEUTRAL. With your foot off the service brake, the parking brake should be able to hold the vehicle.

**NOTE:** Count the number of “click” notches it takes to engage the parking brake. If it is more than 8, adjust the parking brake according to Service Manual procedures.

13. **REAR WINDOW DEFOGGER AND HEATED DOOR MIRROR (if equipped).**  
After the test drive is complete, place your hand on the rear window defogger and heated door mirror glass (if equipped) to determine proper heating.
14. **Record the ENDING mileage.**  
Record the ending mileage of your road test onto the PDI form.
15. **\*\*\* IMPORTANT \*\*\***  
**RECALLS – Check the Warranty Superscreen for open recalls. Make sure any open recall is performed BEFORE the vehicle is offered for sale.**

## H. FINAL STEPS FOR TECHNICAL INSPECTION

- Sign and date the Technician's Signature area on the PDI form. Leave the form with the vehicle for the Detail Specialist for after-PDI detailing.
- Sign and install the PDI Quality Assurance Pledge decal.



## DETAIL INSPECTION

### A. DETAILING BEFORE PDI

#### **BEFORE YOU START:**

- Always keep your hands and uniform clean when performing a PDI.
- To protect the interior of the vehicle, be sure to remove sharp objects from your body and clothing before starting the detailing procedures.

Make sure the following information is recorded in the spaces provided on the PDI checklist:

- Vehicle Identification Number (VIN)
- Dealer name and code
- Model Year
- Dealer stock #

1. **RAP-FILM REMOVAL (if applicable).**  
Before a technician can perform the Technical portion of a PDI, the protective film (RAP-film) must be removed from the exterior body surfaces.

**NOTE:** For easiest removal, RAP-FILM temperature should be between 32°F (0°C) and 122°F (50°C).

a. **Remove the RAP-film from all body surfaces.**

- If the temperature of the vehicle body is higher than 122°F (50°C), the film softens, allowing more residue to remain on the body surface. For easier removal, decrease the temperature of the vehicle body surface to less than 104°F (40°C) with cool water and/or store the vehicle inside, out of the sun.

**OR**

- If the body surface temperature is lower than 32°F (0°C), increase the temperature using warm water or put the vehicle inside a heated facility until the body surface temperature rises.

Then, starting at the corners, pull up on the RAP-film, fold it back, and pull it off at an angle of 180 degrees to minimize glue residue.

b. **Wash the vehicle with water.**



Take extra care if using a pressure washer. Avoid directing high pressure spray at door and window seals to prevent leakage. Also, avoid directing high pressure spray at the charging port doors on each quarter panel, the undercarriage (including the electric motor area), and under the hood.



2. **!! IMPORTANT !! Remove RAP-FILM RESIDUE.**  
A line of adhesive residue can form at the edge of the RAP-FILM. As the film shrinks due to exposure to the elements, the adhesive is exposed and collects dirt and other debris. Use either of the following methods to remove the RAP-FILM residue from the surface.

- If there is a considerable amount of residue, remove it by wiping down the affected body surface area with isopropyl alcohol, diluted 50% with mineral spirits (petroleum benzene).

**OR**

- If there is only a small amount of residue, use a very mild (white) polishing compound on the affected surface area.

For details on removing RAP-film and residue, refer to TSB-97-00-006 and TSB-00-00-002.

3. **Inspect for PAINT DAMAGE.**

- Inspect the vehicle's surfaces for paint swelling (paint will have a milky appearance). This condition occurs when moisture is trapped between the RAP-film and the body panel surface.
- Most occurrences of paint swelling can be corrected by parking the vehicle in bright sun light for approximately one hour.

**NOTE:** If the above repairs are not successful for correcting paint swelling, refer to the paint repair procedures in the Body Repair Manual.

**At this time completing the Technical Inspection is recommended. Continue the Detail portion after the Technical Inspection is finished.**

**Whenever possible, install all accessories and dealer installed options BEFORE performing Detailing and Final Delivery Preparation.**



**B. DETAILING AFTER PDI**

- Remove RAP-FILM (if not already done).** Refer to previous DETAILING BEFORE PDI section.
- Wash ALL EXTERIOR BODY PANELS.**
  - Always make sure the windows are fully closed.
  - Wash all body panels with water, not in direct sunlight.
  - Start washing from the roof, working downward, using a sponge and water.
  - After washing, wipe water from body surfaces using a chamois or soft cloth.

**CAUTION**

Extra care should be taken if using a pressure washer. Avoid directing high pressure spray at door and window seals to prevent leakage. Also, avoid directing high pressure spray at the charging port doors on each quarter panel, the undercarriage (including the electric motor area), and under the hood.



3. **Check for WATER LEAKS immediately after washing.**

While washing the vehicle, or during storage when the vehicle has been exposed to rain with the RAP-film removed, note any water leaks that may require repair.

Remember the source of a water leak is not always where the leak appears. To accurately locate and then repair the leak, a thorough understanding of the circumstances under which it was identified must be made known to the person doing the repairs.

**NOTE:**

In some cases, it may take 4 minutes or longer to produce any evidence of leaks.

4. **Wash and inspect ALL WHEELS; THOROUGHLY REMOVE ALL GLUE RESIDUE; Apply TIRE DRESSING.**

- a. Install any missing valve stem caps using the correct cap. Your parts department can provide the correct part for the vehicle.
- b. Wash the wheels with mild detergent and rinse with water. See [TSB-09-31-005](#) for information.
- c. After washing, wipe water from wheels using a chamois or soft cloth.
- d. Inspect wheel covers, wheels and tires for nicks, scratches, and other damage.
- e. Clean off any residue or foreign material.
- f. Apply tire dressing to each tire.
- g. Wipe dry with a clean cloth.

5. **Check DOOR AND LIFTGATE OPENING CLEANLINESS AND UNDERHOOD CLEANLINESS.**  
Wipe off any dirt with a damp cloth.

**Underhood**

- a. Remove any debris such as leaves, etc. from the underhood area.
- b. Wipe up any fluid spills and note any evidence of leakage on the repair order.

6. **Inspect PAINT AND ALL BODY PANELS FOR DAMAGE, ALIGNMENT, AND FIT AND FINISH.**

- a. Check for scratches and dents. Inspect the body panels from different angles.
- b. Check the alignment of all body panels for uniform gaps and flushness. All body panels should be flush with their adjoining panels and all gaps should be uniform.
- c. Inspect painted surfaces for uniform color. Inspect from different angles.
- d. Inspect painted areas for damage. Note any discrepancies on the repair order.
- e. Inspect painted areas for environmental fallout such as acid rain and rail dust. Remove any fallout by following MMNA-approved techniques.

**NOTE:** If any paint damage is noted, refer to TSB-92-51-001 and training video #44.

7. **Inspect ALL GLASS FOR DAMAGE AND CLEANLINESS, INSIDE AND OUTSIDE.**  
Use a suitable glass cleaner and wipe dry with a soft lint-free cloth.

- a. Use a commercially sourced glass polish to remove minor scratches and imperfections.
- b. If there is a problem with any glass, follow your dealer's procedures to correct it.

8. **Inspect ALL MOLDINGS AND TRIM, AND REMOVE PROTECTIVE TAPE.**

- a. Inspect the moldings and trim for looseness, proper alignment, and cleanliness.
- b. Clean off any residue.
- c. Note needed repairs as they are identified. Remember, repairs are not part of your PDI time. Follow warranty policy and procedures.

**9. Inspect ALL WEATHERSTRIPS AND RUBBER MOLDINGS.**

- a. Inspect all weatherstrips and rubber moldings for damage, and make sure they are securely attached.
- b. Clean off any residue.

**10. Clean the INTERIOR AND check ALL INTERIOR PANELS AND TRIM FOR PROPER FIT.**

- a. Wipe plastic interior components with a soft damp cloth.
- b. Remove minor stains and soil using a mild detergent, then wipe dry with a clean, soft cloth.
- c. Check alignment of all interior panels and trim for uniform gaps and flushness. All interior panels and trim should be flush with their adjoining panels, and all gaps should be uniform.

**NOTE:** DO NOT remove the protective seat covers at this time.

**11. Check for STAINS, DIRT, SCUFFS, OR TEARS.**

If stains or soiling are found on interior trim, do the following:

- a. Clean with a mild soap solution or reliable vinyl cleaner.
- b. Apply a small amount of solution with a clean cloth or sponge and work into a lather, then wipe with a damp cloth.
- c. When the lather has been removed, wipe again with a soft, clean cloth.

**NOTE:** Damage and/or stains which cannot be removed using the above method should be noted on the repair order and corrected prior to customer delivery.

**12. Place PAPER MATS IN ALL FLOOR AREAS.**

Install paper floor mats on the driver's side and all passenger areas of the vehicle.

**13. Check HEADLINER AND SUN VISOR CLEANLINESS.**

If stains or soiling are found on the headliner or sun visors:

- a. Clean with a mild soap solution or reliable vinyl cleaner.
- b. Apply a small amount of solution with a clean cloth or sponge and work into a lather, then wipe with a damp cloth.
- c. When the lather has been removed, wipe again with a soft, clean cloth. After cleaning the headliner, use a small brush to raise the nap on the headliner material.



## FINAL DELIVERY PREPARATION

**1. Wash ALL EXTERIOR BODY PANELS.**

- a. Always make sure the windows are fully closed and latched to prevent water entry.
- b. Wash all body panels with water, not in direct sunlight.
- c. Start washing from the roof, working downward, using a sponge and water.
- d. After washing, wipe water from body surfaces using a chamois or 100% cotton terry towel.



**Take extra care if using a pressure washer. Avoid directing high pressure spray at door and window seals to prevent leakage. Also, avoid directing high pressure spray at the charging port doors on each quarter panel, the undercarriage (including the electric motor area), and under the hood.**

**2. Wash ALL WHEELS AND APPLY TIRE DRESSING.**

- a. Install any missing valve stem caps using the correct cap. Your parts department can provide the correct part for the vehicle.
- b. Wash the wheels with mild detergent and rinse with water. See TSB-09-31-005 for information.
- c. After washing, wipe water from wheels using a chamois or 100% cotton terry towel.
- d. Apply tire dressing to each tire.
- e. Wipe dry with a clean cloth.

**3. Check DOOR AND LIFTGATE OPENING, AND UNDERHOOD for CLEANLINESS.**

Wipe off any dirt with a damp cloth.

**Underhood**

- a. Remove any debris such as leaves, etc. from the underhood area.
- b. Wipe up any fluid spills. Note any evidence of leakage on the repair order.

**4. Inspect ALL BODY PANELS FOR DAMAGE AND ALIGNMENT.**

Check for scratches and dents. Inspect the body panels from different angles.

**5. Inspect ALL PAINTED SURFACES FOR DAMAGE AND FINISH QUALITY.**

- a. Inspect painted surfaces for uniform color. Inspect from different angles.
- b. Inspect painted areas for damage.
- c. Inspect painted areas for environmental fallout, such as acid rain and rail dust. Remove any fallout by following MMNA-approved techniques.

**NOTE:** If any paint damage is noted, refer to TSB-92-51-001 and training video #44.

**6. Clean ALL GLASS (INSIDE AND OUT). Inspect ALL GLASS FOR DAMAGE**

- a. Use a suitable glass cleaner and wipe dry with a soft lint-free cloth.
- b. Clean any dirt off the wiper blades.
- c. Use a commercially sourced glass polish to remove minor scratches and imperfections.

**7. Inspect ALL MOLDING, TRIM, AND CHROME PARTS.**

- a. Inspect the moldings, trim, and chrome parts for looseness, proper alignment, and cleanliness.
- b. Clean off any residue.

**8. Remove SEAT AND TRIM PROTECTORS.**

- a. Carefully remove the protectors from all seats.
- b. Carefully remove all trim protectors.

**9. Check HEADLINER AND SUN VISOR CLEANLINESS.**

If stains or soil are found on the headliner or sun visors:

- a. Clean with a mild soap solution or reliable vinyl cleaner.
- b. Apply a small amount of solution with a clean cloth or sponge, then wipe with a damp cloth.
- c. When the lather has been removed, wipe again with a soft, clean cloth.



10. **Check for STAINS, DIRT, SCUFFS, OR TEARS.**  
If the interior trim is scuffed, stained or soiled, clean as described in Detailing After PDI, step 11.

**NOTE: Damage and/or stains which cannot be removed using the described method should be noted on the repair order.**

11. **Remove PAPER MATS, VACUUM ALL FLOOR CARPETS, INSTALL AND ANCHOR ALL FLOOR MATS.**

- a. Remove all paper floor mats.
- b. Vacuum all floor carpets.
- c. Install and anchor floor mats for all seating positions. Do not install more than one floor mat in the driver's position. Refer to TSB-11-00-001 for additional information.

12. **Confirm VEHICLE INSTALLED ACCESSORY WEIGHT.**

Refer to TSB-09-00-001 for details. Complete and attach a "Load Carrying Capacity Reduced" label if applicable.

13. **Check tire pressures and adjust if necessary. Reinstall valve stem caps.**

**NOTE:** Tire pressures are shown on the Tire Pressure and Loading label on the driver's side B-pillar.

14. **Set all AM and FM radio presets to customer-preferred stations.**

15. Confirm Level 1 (110V) charging cable and storage bag are in the cargo area.

16. **Charge main drive lithium-ion battery to 100%.**



## COMPLETING THE PDI FORM

When finished, make sure both the PDI Technician and the Detail Specialist have signed the PDI form. Leave the yellow (2nd copy) in the vehicle's glove box. Keep the original copy with the vehicle's service file. A sample of the PDI form appears at the end of this bulletin.

**Additional Welcome Delivery envelopes can be ordered from Image Printing Solutions (<https://mmna.imgps.com>) by clicking the link on the main page of the MDL. If you need help with ordering, contact them at 1-800-924-1350, or at <https://mmna.imgps.com>, for assistance.**



## PARTS INFORMATION

The table below lists Genuine Mitsubishi fluids which may be required during PDI:

| Description  | Part Number |
|--|-------------|
| DiaQueen Super LLC Premium Coolant (Electric Motor & Heater Reservoir Coolant) | MZ320125    |
| Brake Fluid  | MZ311987    |
| Washer Fluid (concentrate)   | ACH3ZC1X07  |
| Glass Cleaner  | ZAA124      |
| Automatic Transmission Fluid ATF SP-III  | MZ320200    |

**NOTE: Fluid additions are included as part of the PDI reimbursement labor time.**



## WARRANTY INFORMATION

The PDI procedures described in this bulletin, as well as any fluids required during the PDI process, are reimbursed under a single PDI labor time allowance dependent on the model. Current PDI labor time allowances are provided in the Warranty Central menu option on the MDL (Mitsubishi Dealer Link). Current applicable PDI labor time allowances are also automatically entered for you when the PDI claim is keyed into the MDL claim entry system.

**NOTE:** Any additional repairs and/or adjustments caused by an issue with materials and/or workmanship that are not part of these published PDI procedures should be claimed on a separate warranty claim using the applicable published LOTS labor time for the repair(s) or the “zero-zero” actual time procedure for non-published repairs and/or adjustments.

### PDI Labor Time

PDI Labor time for 2017 i-MiEV = 1.3 hours.

See Warranty bulletin **WB 2017-001** for details.

