



# Technical Service Bulletin

SUBJECT:		No: <b>TSB-24-00-002</b>
<b>LOAD CARRYING CAPACITY REDUCED LABEL</b>		DATE: <b>January 2024</b>
		MODEL: <b>All Models</b>
<b>CIRCULATE TO:</b>	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input type="checkbox"/> WARRANTY PROCESSOR
		<input checked="" type="checkbox"/> TECHNICIAN
		<input checked="" type="checkbox"/> SALES MANAGER

## PURPOSE

National Highway Traffic Safety Administration (NHTSA) regulations require a label showing the reduction in load carrying capacity be affixed to vehicles when the total net weight of accessories is more than 1.5 percent of the vehicle's gross vehicle weight rating (GVWR) or 100 lbs. **whichever is less** (accessory weight threshold). The label is only required if accessories are added before, or at the time the vehicle is first **sold**. It is not required if accessories are installed by the dealer after the vehicle is first sold.

Under the NHTSA requirement, it is the **dealer's responsibility** to calculate the total weight of accessories installed before the first retail sale and to ensure compliance with the requirement.

## AFFECTED VEHICLES

All U.S. models with accessories added

## PORT INSTALLED ACCESSORIES

MMNA will provide the net weight of accessories installed by port processors on the vehicle invoice and Monroney label. If port installed accessories exceed the accessory weight threshold (1.5% of GVWR or 100 lbs, whichever is less), MMNA port processors will affix a Load Carrying Capacity Reduced label to the vehicle as required by the regulation. If a dealer installs additional accessories, they must:

1. Perform the calculations as explained in this TSB.
2. Fill out the Load Carrying Capacity Reduced label.
3. Affix it to the vehicle COVERING any port installed label.

The following statement will be added to the invoice of all vehicles when accessories are port installed, regardless of whether or not the accessory weight threshold is exceeded:

**ALERT:** PORT INSTALLED ACCESSORIES NET CUMULATIVE WEIGHT IS XX.X LBS. ADD TO THIS AMOUNT THE WEIGHT OF ANY DEALER INSTALLED ACCESSORIES AND DETERMINE YOUR NEED TO APPLY A "REDUCED CARGO CARRYING CAPACITY" LABEL REQUIRED BY FMVSS 571.110.

The net "Cumulative Accessory Weight" will also be shown at the bottom of the Monroney label if the accessory weight threshold is exceeded. Port processors will affix a Load Carrying Capacity Reduced label to a vehicle only if the accessory weight threshold is exceeded and indicated on the Monroney label.

**NOTE: Dealers should always refer to the vehicle invoice when they add accessories to any vehicle where no weight is listed on the Monroney.**

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## EQUIPMENT

You will need the following equipment to complete this procedure.

- Permanent, black, fine tipped marking pen (e.g. Sharpie).
- A scale suitable to weigh components to the ounce. The scale must be capable of repeatedly weighing "0 - 350 pounds within + 1% of accuracy."
- Vehicle Load Carrying Capacity Reduced label. Refer to the Parts Information section later in this TSB for information.

## PROCEDURE

Determine the net weight of any accessories added to the vehicle (components installed minus components removed) by adding the net weight of dealer installed accessories and the net weight of port installed accessories listed on the vehicle invoice.

### CALCULATE THE WEIGHT TO BE DISPLAYED

1. Calculate the weight threshold of accessories for the vehicle (1.5% of the GVWR):

Refer to the FMVSS certification label located on the lower driver's "B" pillar and note the GVWR.

To calculate the accessory weight threshold, multiply the GVWR by 0.015.

**Example: GVWR x 0.015 = weight threshold for accessories**

Using a 2020 Outlander (3.0 L engine) as an example:

**5027 lbs. x 0.015 = 75.405 lbs.**

Round UP this weight to the next 0.1 lbs for one decimal place (75.405 lbs becomes 75.4 lbs). Therefore, if the total net weight of accessories added to this Outlander is greater than 75.4 lbs, you would be required to affix a Load Carrying Capacity Reduced label to the vehicle.

**NOTE: If the total net weight of accessories is 100 lbs or more, the weight reduction label is required regardless of GVWR.**

2. Calculate the weight of all accessories added to the vehicle:
  - a. Weigh each accessory being installed on the vehicle. Convert ounces to X.X lbs (one decimal place) using the formula; ounces ÷ 16 X 100 = X.X lbs. When calculated, if the conversion displays more than one decimal place, round UP to the next 0.1 lbs (0.85 lbs becomes 0.9 lbs).

Add the weights together to obtain the total accessory weight.

**NOTE: Remember to include all attaching hardware and any required fluids added, as well as the accessories themselves.**

Using the same 2020 Outlander (weights shown are **for example only**):

- Accessory Tow Hitch: 54.0 lbs
- Accessory Trailer Tow Wire Harness: 1.1 lbs
- Roof Rack Crossbars: 11.0 lbs
- Cargo Mat: 4.0 lbs
- All Weather Floor Mats (4) : 7.7 lbs
- Wheel Locks: 0.9 lbs

**Total Weight Added: 78.7 lbs**

- b. After installing accessories, weigh all components (including hardware) removed from the vehicle and no longer used. Calculate the weight.

Standard Lug Nuts: 0.45 lbs

**Weight Removed: 0.45 lbs**

- c. Calculate net weight added to the vehicle by subtracting weight removed from weight added.

**78.7 lbs. – 0.45 = 78.3 lbs** (rounded up to next 0.1 lbs)

Using this example, the net weight of accessories added to the vehicle is greater than the weight threshold, so a Load Carrying Capacity Reduced label must be installed showing the capacity has been reduced by *78.3 lbs (35.5 kg)*.

**NOTE: If the total net weight of accessories is more than 1.5% of the vehicle's gross vehicle weight rating (GVWR), or the accessories weigh 100 lbs or more, then a Load Carrying Capacity Reduced label MUST be installed.**

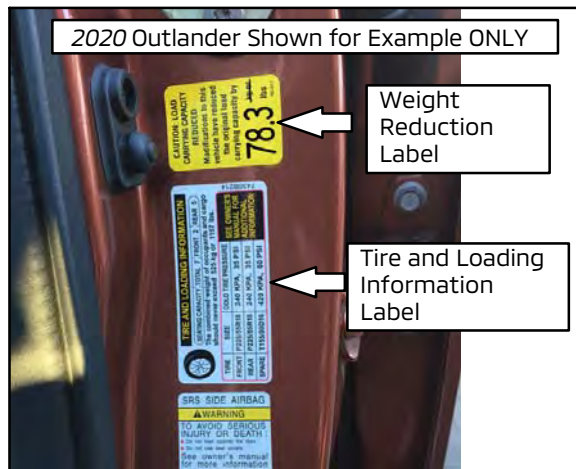
3. Apply the Load Carrying Capacity Reduced Label:



- a. Add the weight of accessories from the vehicle invoice to the weight of any accessories your dealership has added. This weight is to be entered on the Load Carrying Capacity Reduced label.
- b. Write the total reduction in load carrying capacity (in either lbs or kg) with a permanent, fine tipped, marking pen. Draw a line through the unused weight unit of measure (lbs or kg).

- c. Affix the weight reduction label to the vehicle.

- Apply the label in the driver's door jamb, within 25 mm (approx. 1 inch) of the Tire and Loading Information label. If a label is already in place due to port installed accessories, apply your label displaying the combined weight of the port installed and dealer installed accessories over any existing label.
- At the time of sale, the customer must be informed of a reduction in the vehicle's load carrying capacity, and be shown the label indicating the amount of reduction.



## PARTS INFORMATION

Use the following Mitsubishi label:

Part Number	Description	Qty.
FD317	Label, Vehicle GVWR Reduction - Sheet of 10 labels	1 label per vehicle

## WARRANTY

This TSB provides accessory installation information only. Warranty procedures do not apply.