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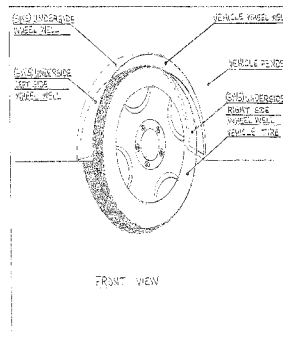
(71) **Demandeurs/Applicants:**
CALLAHAN, THOMAS, CA;
EDMUNDS, LYLE, CA

(72) Inventeurs/Inventors:
CALLAHAN, THOMAS, CA;
EDMUNDS, LYLE, CA

(74) Agent: NA

(54) Titre : SWS (SYSTEME D'ASSISTANCE SUR NEIGE)

(54) Title: SWS (SNOW WIZARD SYSTEM)



(57) **Abrégé/Abstract:**

(1) The Snow Wizard System is a Vehicle wheel well snow/ice defrosting device for the purpose of providing safer driving during snowy winter conditions by melting the snow/ice buildup on vehicle wheel wells. This said invention/concept is made and put together to prevent unwanted frozen snow and/or ice build-up on the vehicle wheel wells, thus making it easier and safer for vehicle operators to handle/control their vehicles during snowy winter months, while also, in many cases preventing unwanted damage from the wheel well areas due to the vehicle operator having to remove frozen snow/ice build-up away from the wheel well areas that can quickly accumulate when driving in dreadful and dangerous snowy winter conditions. With automakers adding new safety features on a regular basis, we feel our SWS would be greatly beneficial as an added safety feature by helping to prevent accidents due to a decrease in wheel turning capability, the inconvenience of having to exit the vehicle to remove the frozen snow/ice buildup on the wheel wells, preventing unwanted damage to fenders, wheel wells and tires. We believe this device will be a much needed and appreciated system once introduced to the vehicle manufacturer's and vehicle purchasers alike. We are sure it will be a great attraction and addition to all vehicles using this type of wheel well defrosting system. We also feel, the consumer of the vehicle will be grateful to have this new added system available to them when needing to defrost snow/ice from the wheel wells during snowy winter conditions. Residence who reside in snowy winter northern climates such as Canada, know full well how dangerous and at time inconvenient when driving in these snowy winter conditions which can cause tires to lock up due to accumulated frozen snow packed up and around the wheel well tire areas which can effect steering malfunction, tire damage, etc. As we know from experience, it can be an unsettling and anxious feeling when driving in these hazardous snowy winter road conditions that can happen unexpectedly. Also, there can be an increased danger and inconvenience when highway driving where one has to get out of their vehicle to remove the built up snow and ice that has accumulated around these wheel well areas. Our vision for this invention/concept (SWS) is for all manufacturer's newer vehicles to have these wheel well defrosting devices installed or built into the wheel well itself for this said purpose as an added safety feature. A switch or button installed in the vehicle that can be turned

(57) **Abrégé(suite)/Abstract(continued):**

on/off as needed. For previously manufactured vehicles a portable SWS or similar device can be mounted/installed in the vehicle wheel well area to serve the same defrosting purpose.

ABSTRACT

(1) The Snow Wizard System is a vehicle wheel well snow/ice defrosting device for the purpose of providing safer driving during snowy winter conditions by melting the snow/ice buildup on vehicle wheel wells.

This said invention/concept is made and put together to prevent unwanted frozen snow and/or ice build-up on the vehicle wheel wells, thus making it easier and safer for vehicle operators to handle/control their vehicles during snowy winter months, while also, in many cases preventing unwanted damage from the wheel well areas due to the vehicle operator having to remove frozen snow/ice build-up away from the wheel well areas that can quickly accumulate when driving in dreadful and dangerous snowy winter conditions.

With automakers adding new safety features on a regular basis, we feel our SWS would be greatly beneficial as an added safety feature by helping to prevent accidents due to a decrease in wheel turning capability, the inconvenience of having to exit the vehicle to remove the frozen snow/ice buildup on the wheel wells, preventing unwanted damage to fenders, wheel wells and tires.

We believe this device will be a much needed and appreciated system once introduced to the vehicle manufacturer's and vehicle purchasers alike. We are sure it will be a great attraction and addition to all vehicles using this type of wheel well defrosting system. We also feel, the consumer of the vehicle will be grateful to have this new added system available to them when needing to defrost snow/ice from the wheel wells during snowy winter conditions.

Residence who reside in snowy winter northern climates such as Canada, know full well how dangerous and at time inconvenient when driving in these snowy winter conditions which can cause tires to lock up due to accumulated frozen snow packed up and around the wheel well tire areas which can effect steering malfunction, tire damage, etc.

As we know from experience, it can be an unsettling and anxious feeling when driving in these hazardous snowy winter road conditions that can happen unexpectedly. Also, there can be an increased danger and inconvenience when highway driving where one has to get out of their vehicle to remove the built up snow and ice that has accumulated around these wheel well areas.

Our vision for this invention/concept (SWS) is for all manufacturer's newer vehicles to have these wheel well defrosting devices installed or built into the wheel well itself for this said purpose as an added safety feature. A switch or button installed in the vehicle that can be turned on/off as needed. For previously manufactured vehicles a portable SWS or similar device can be mounted/installed in the vehicle wheel well area to serve the same defrosting purpose.

Note: All measurements, variations, styles and means of affixing and implementing this device are subject to change depending on the vehicle manufacturer's best suited design, preference, etc.

Inside each vehicle wheel well we want to have the SWS device made up of electrical wires, heat pads and/or tubes, etc., to be assembled, attached, mounted or built directly into to the wheel well wall itself for the purpose of defrosting unwanted snow and ice that could build-up in these wheel well areas as depicted in drawings, photos, etc.

We truly believe when vehicles are equipped with the SWS it will make for a safer and more comfortable drive by attaining better turning and handling performance which could eliminate the inconvenience of a driver/operator or a passenger having to exit their vehicle to physically remove the build-up of snow and ice that has accumulated around wheel well areas thereby making vehicles safer to drive in dangerous snowy winter conditions.

Our SWS invention is to prevent snow/ice buildup when the SWS device is activated. See as depicted in drawings, photos, etc., of the assembled defrosting device affixed to a wheel well.

SPECIFICATION

We truly believe as Petitioners that this new concept and design named SWS (Snow Wizard System) device is worthy for a public patent under our patent procedures, acts and laws. We also believe it to be something vehicle operators alike can use to make driving in snowy winter conditions safer.

We believe by making the SWS (Snow Wizard System) available to vehicle manufacturers, the SWS can help to provide a safer and more comfortable drive during snowy winter conditions by attaining better turning and handling performance while also minimizing wear and tear to tires. The SWS could also help to eliminate the inconvenience of drivers or passengers having to exit the vehicle to physically remove the build-up of snow and ice around wheel well areas and while doing so may often result in damage to fenders, tires, wheel wells areas, etc.

DRAWINGS

Figure 1: This drawing shows the view of the SWS (Snow Wizard System) affixed to the vehicle wheel well areas.

Figure 2: This drawing shows front view of the SWS (Snow Wizard System) affixed to the wheel well area, identifying the heating/defrosting system.

Figure 3: This drawing shows a front view of the affixed SWS (Snow Wizard System) to vehicle wheel well with prototype measurements.

EMBODIMENT

The embodiments of the invention, which an exclusive property or privilege is claimed are defined as follows.

1. In combination, named and claimed as the SWS (Snow Wizard System). This device is used to defrost built up snow and ice around vehicle wheel well areas. By installing the SWS (Snow Wizard System) device around the wheel well areas, the SWS will heat the designated wheel well areas thereby helping to defrost the built up snow and ice.

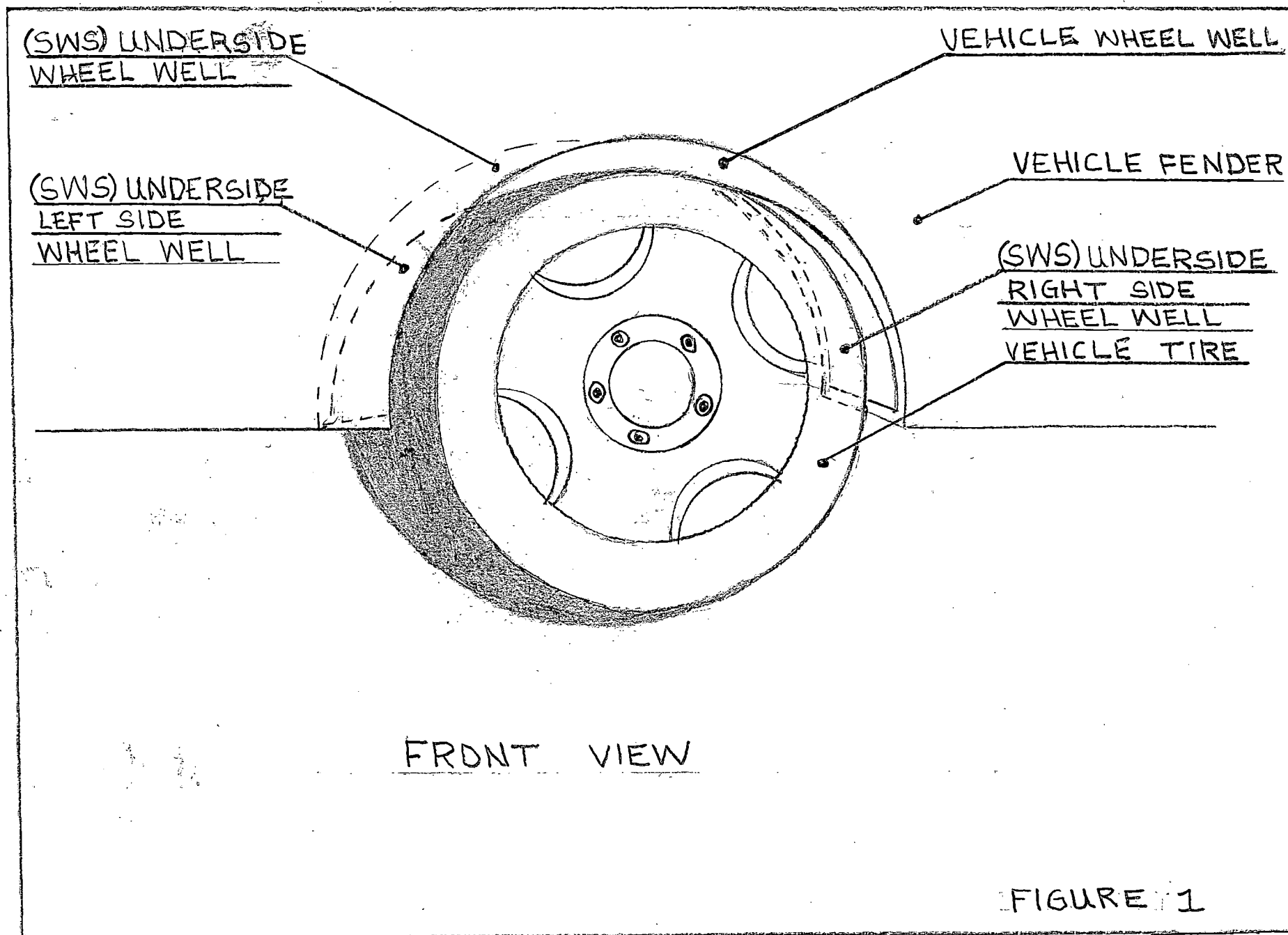
The SWS will consist of defrosting devices made of either electrical wiring, pads, tiles, plates, tubes, etc., based on the manufacturer's desired preference as mentioned in the Patent Abstract. The SWS device will be installed/built directly in designated areas of vehicle wheel wells at the discretion of the manufacturer so as to attain the best defrosting performance.

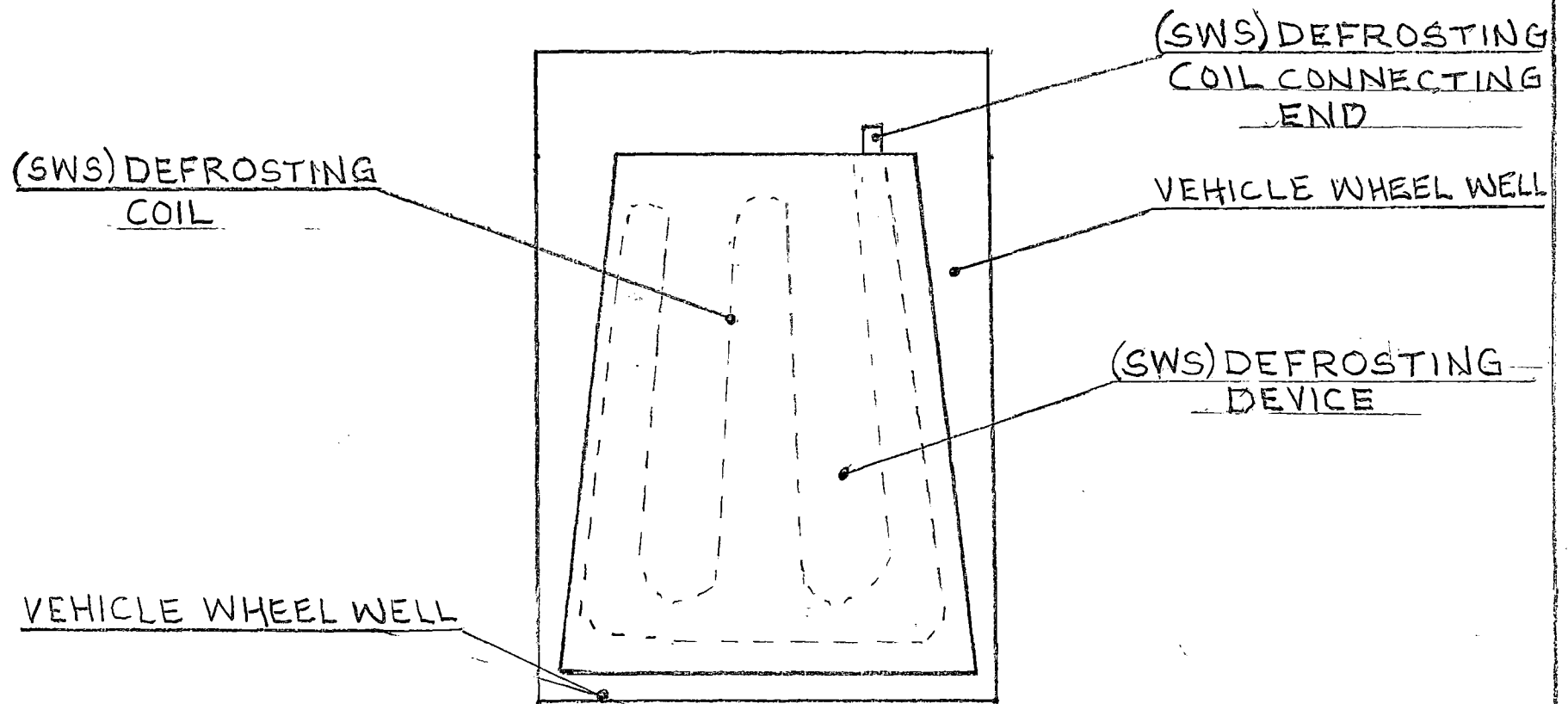
The SWS (Snow Wizard System) safety device based on the manufacturer's desired preference may consist of materials such as wiring, plastic, rubber, nylon, composite, metal, etc. as mentioned in Patent Abstract.

2. The name SWS (Snow Wizard System) as claimed in Claim 1, a special type of safety defrosting device as claimed in the Abstract and Specifications whereas this SWS (Snow Wizard System) is used to help provide a safer driving environment and preventing damage to tires and fenders when removing snow and ice buildup from said vehicle wheel well areas during snowy winter conditions.

3. The SWS (Snow Wizard System) device as claimed in Claims 1 and 2 whereas this safety defrosting system will be assembled/used in specific/designated vehicle wheel well areas and as depicted in the drawings or as decided upon by the vehicle manufacturer.

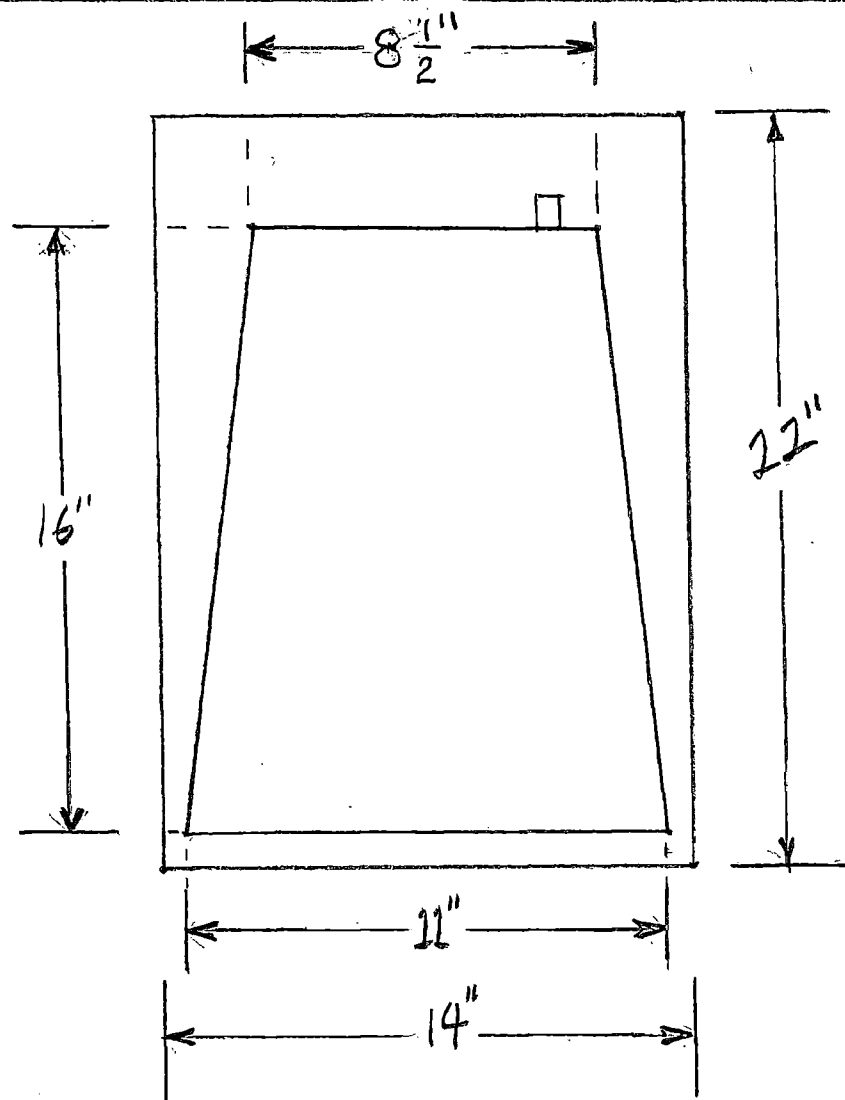
4. The SWS (Snow Wizard System) as claimed in Claims 1, 2 & 3 whereas with the name SWS and its safety defrosting invention and concept is to attain better handling and safer winter driving assurance.





FRONT VIEW

FIGURE 2



FRONT VIEW

FIGURE 3



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(SWS) UNDERSIDE
WHEEL WELL

VEHICLE WHEEL WELL

(SWS) UNDERSIDE
LEFT SIDE
WHEEL WELL

VEHICLE FENDER

(SWS) UNDERSIDE
RIGHT SIDE
WHEEL WELL
VEHICLE TIRE

FRONT VIEW

