



APPLICATION FOR VARIANCE

State Form 44400 (R7 / 10-13)
Approved by State Board of Accounts, 2013

INDIANA DEPARTMENT OF HOMELAND SECURITY

CODE SERVICES SECTION

302 West Washington Street, Room W246
Indianapolis, IN 46204-2739

http://www.in.gov/dhs/fire/fp_bs_comm_code/



Application for Variance 10.05.15 Tiny Tot's

INSTRUCTIONS: Please refer to the attached four (4) page instructions.
Attach additional pages as needed to complete this application.

Variance number (Assigned by department)

15-11-02

1. APPLICANT INFORMATION (Person who would be in violation if variance is not granted; usually this is the owner)

Name of applicant	Title
Todd L Jameson	Event Manager
Name of organization	Telephone number
Indiana Motorcycle Expo (Renfro Productions and Management, Inc.)	(765-641-7712) 200
Address (number and street, city, state, and ZIP code)	
6405 Dr MLK Jr. Blvd, Anderson, IN 46013	

2. PERSON SUBMITTING APPLICATION ON BEHALF OF THE APPLICANT (If not submitted by the applicant)

Name of applicant	Title
N/A	
Name of organization	Telephone number
	()
Address (number and street, city, state, and ZIP code)	

3. DESIGN PROFESSIONAL OF RECORD (If applicable)

Name of design professional	License number
N/A	
Name of organization	Telephone number
	()
Address (number and street, city, state, and ZIP code)	

4. PROJECT IDENTIFICATION

Name of project	State project number	County
Tiny Tot's Riding Adventure		Marion
Address of site (number and street, city, state, and ZIP code)		
Expo Hall, Indiana State fairgrounds, 1202 east 38 th Street, Indianapolis, IN 46203		
Type of project		
<input checked="" type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration <input type="checkbox"/> Change of occupancy <input type="checkbox"/> Existing		

5. REQUIRED ADDITIONAL INFORMATION

The following required information has been included with this application (check as applicable):

A check made payable to the Indiana Department of Homeland Security for the appropriate amount. (see instructions)

One (1) set of plans or drawings and supporting data that describe the area affected by the requested variance and any proposed alternatives.

Written documentation showing that the local fire official has received a copy of the variance application.

Written documentation showing that the local building official has received a copy of the variance application.

6. VIOLATION INFORMATION

Has the Plan Review Section of the Division of Fire and Building Safety issued a Correction Order?

Yes (If yes, attach a copy of the Correction Order.) No

Has a violation been issued?

Yes (If yes, attach a copy of the Violation and answer the following.) No

Violation issued by:

Local Building Department State Fire and Building Code Enforcement Section Local Fire Department

7. DESCRIPTION OF REQUESTED VARIANCE

Name of code or standard and edition involved 2012 International Fire Code (IFC)	Specific code section 313 & 314.4
Nature of non-compliance (Include a description of spaces, equipment, etc. involved as necessary.) We are proposing to operate within the Expo Hall a feature known as Tiny Tot's Riding Adventure, which offers a child a fully escorted free ride on a child-sized motorcycle (Honda CRF50F) provided by ABATE of Indiana. These motorcycles comply with the EPA, CARB and EC regulations. The show is open 7 hours on Friday and we propose to operate 2 motorcycles for approx. 90 minutes; on Saturday the show is open 10 hours and we propose to operate 3 motorcycles for approx. 360 minutes; and on Sunday we are open 7 hours and propose to operate 3 motorcycles for approx. 200 minutes.	

8. DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE WILL BE PROTECTED

Select one of the following statements:

Non-compliance with the rule will not be adverse to the public health, safety or welfare; or

Applicant will undertake alternative actions in lieu of compliance with the rule to ensure that granting of the variance will not be adverse to public health, safety, or welfare. Explain why alternative actions would be adequate (be specific).

Facts demonstrating that the above selected statement is true:
There are Emergency Exit doors, located to the west and east of the proposed Tiny Tot's, which will be partially open to draw in fresh air and vent out fumes. The HVAC unit in the portion of the building where the feature is located will be set to exhaust the fumes. A motorcycle is used for between 3-5 minutes then turned off while a new rider is provided with instructions and training. The motorcycle is then restarted, used for another 3-5 minutes and the process is repeated. Ride periods which will not exceed 1 hour with a rest periods of 30 minutes between ride periods. Motorcycles fuel tanks will not contain more a 1/2 gallon of gasoline and all refueling will take place outside the building with fire extinguishers present. Shown on our floorplan is the Motorcycle Staging Area where the motorcycle will be stationed when not in operation, as well as the locations of 4 fire extinguishers (FE) within the area. The Tiny Tot's area represents less than 4% of the square footage of the Expo Hall. The motorcycles provided are tiny 2011 Honda CRF50F aimed at beginner riders. They are powered by an air-cooled 48cc engine mated to a 3-speed transmission with an automatic clutch, the CRF50F has a seat height of 21.6 inches. The Tiny Tot's track would be contained by a ring of 46 inflammable energy absorbing track barriers. In addition to 3 show staff members who are door guards stationed in that area, ABATE of Indiana will have at least 10 fully trained volunteers on-site at all times.

9. DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE

Select at least one of the following statements:

Imposition of the rule would result in an undue hardship (unusual difficulty) because of physical limitations of the construction site or its utility services.

Imposition of the rule would result in an undue hardship (unusual difficulty) because of major operational problems in the use of the building or structure.

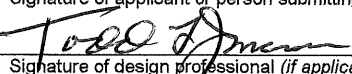
Imposition of the rule would result in an undue hardship (unusual difficulty) because of excessive costs of additional or altered construction elements.

Imposition of the rule would prevent the preservation of an architecturally or a historically significant part of the building or structure.

Facts demonstrating that the above selected statement is true:
The Indiana Motorcycle Expo is a tennant at the Expo Hall for 3 days per year. As a tennant we are not able to modify the building and the cost would be prohibitive.

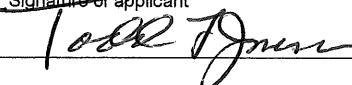
10. STATEMENT OF ACCURACY

I hereby certify under penalty of perjury that the information contained in this application is accurate.

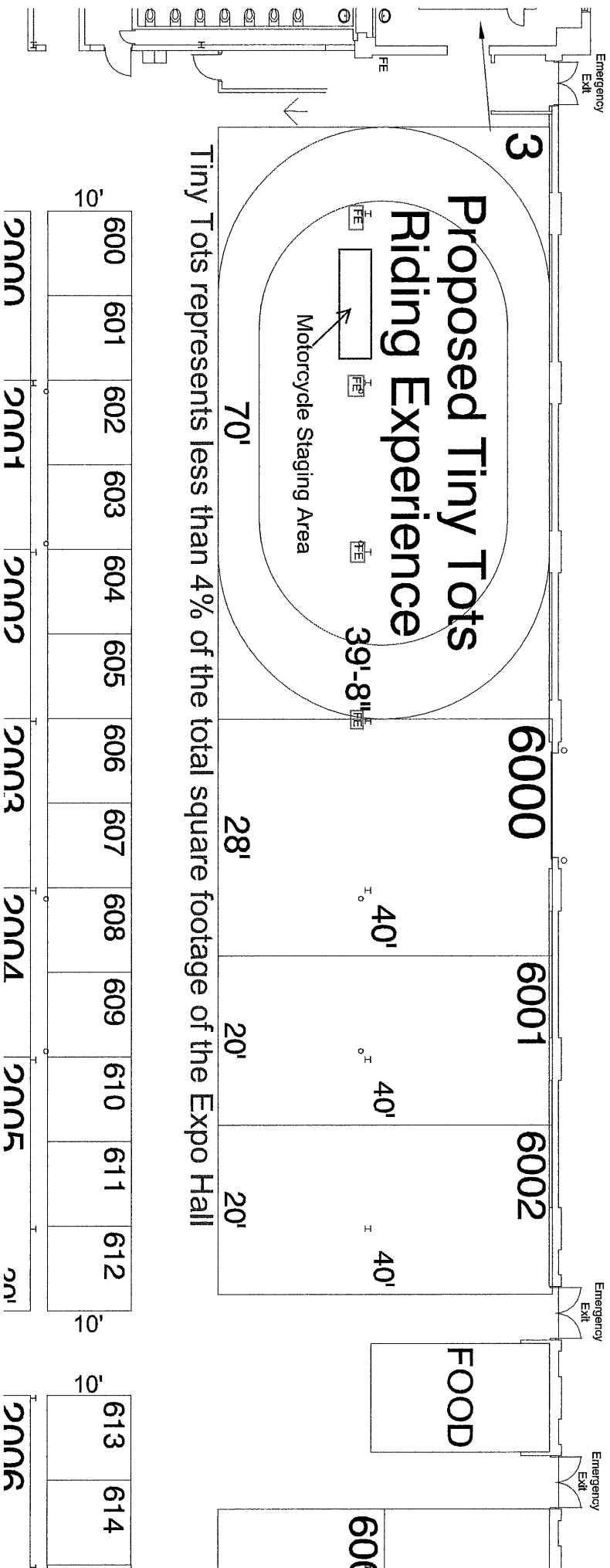
Signature of applicant or person submitting application 	Please print name Todd L. Jameson	Date of signature (month, day, year) 10.05.15
Signature of design professional (if applicable)	Please print name	Date of signature (month, day, year)

11. STATEMENT OF AWARENESS (If the application is submitted on the applicant's behalf, the applicant must sign the following statement.)

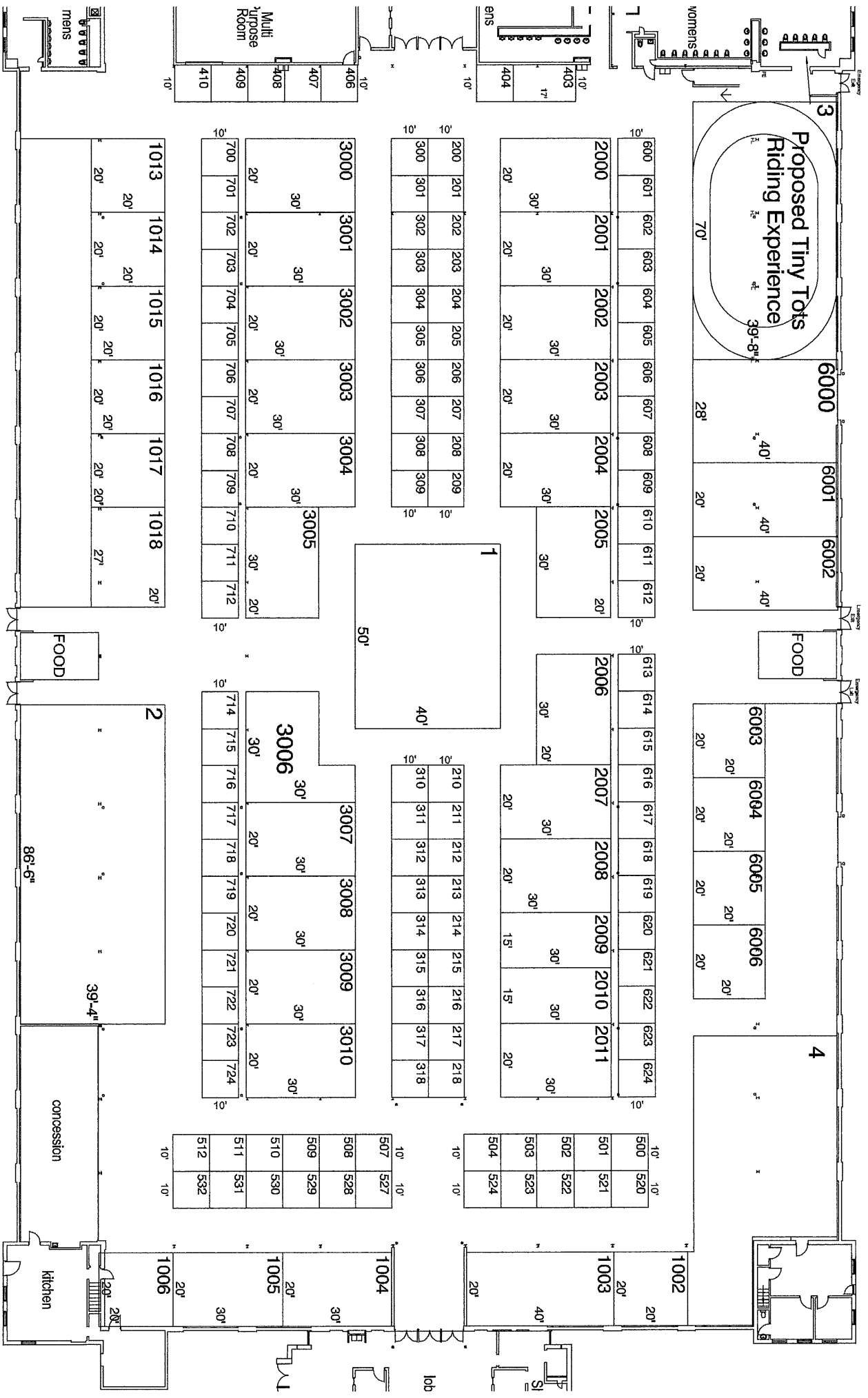
I hereby certify under penalty of perjury that I am aware of this request for variance and that this application is being submitted on my behalf.

Signature of applicant 	Please print name Todd L. Jameson	Date of signature (month, day, year) 10.05.15
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Tiny Tots Variance App Floor Plan with details



In Mc Expo floor plan 2016



EXPOSITION HALL

Specifications

Dimensions	
Overall length	51.3 in (1,302 mm)
Overall width	22.9 in (581 mm)
Overall height	30.5 in (774 mm)
Wheelbase	35.9 in (911 mm)

Fuel & Lubricants	
Fuel tank capacity	0.69 US gal (2.6 l) including reserve
Fuel tank reserve	0.18 US gal (0.7 l)
Fuel recommendation	unleaded gasoline, pump octane number of 86 or higher
Air cleaner oil	Pro Honda (USA only) or Honda (Canada only) Foam Filter Oil or an equivalent
Engine oil capacity	after draining: 0.6 US qt (0.6 l) after disassembly: 0.8 US qt (0.8 l)

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Specifications

Fuel & Lubricants	
Engine oil recommendation	API Service Classification SG or higher except oils labeled as energy conserving on the circular API service label, SAE 10W-30, JASO T 903 standard MA, Pro Honda GN4 4-stroke oil (USA & Canada), or Honda 4-stroke oil (Canada only), or an equivalent motorcycle oil

Fuel & Lubricants	
Drive chain lubricant	Pro Honda HP Chain Lube or an equivalent

Capacities	
Passenger capacity	operator only; no passenger
Maximum weight capacity	88 lb (40 kg)
Cargo capacity	none

Engine Specifications	
Displacement	3.0 cu-in (49 cm ³)
Bore & stroke	1.54 × 1.63 in (39.0 × 41.4 mm)
Compression ratio	10.0 : 1

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Honda CRF 50F Spec Sheet, Spec Sheet for details

11
USA
(2)

Specifications

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in (49 cm³)
< 1.63 in
× 41.4 mm
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Engine Specifications	
Valve clearance (cold)	Intake: 0.002 in (0.05 mm) Exhaust: 0.002 in (0.05 mm)
Spark plug (standard)	CR6HSA (NGK) or U20FSR-U (DENSO)
Spark plug (cold climate; below 5°C, 41°F)	CR5HSA (NGK) or U16FSR-U (DENSO)
Spark plug (extended high speed riding)	CR7HSA (NGK) or U22FSR-U (DENSO)
Spark plug gap	0.024–0.028 in (0.60–0.70 mm)
Idle speed	1,700 ± 100 rpm

Power Transmission	
Primary reduction	4.058
Gear ratio, 1st	3.272
2nd	1.667
3rd	1.190
Final reduction	2.642
Final drive	chain

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Specifications

Power Transmission	
Drive chain freeplay	9/16–1 in (15–25 mm)
New chain length	38.5 in (978 mm) distance between a span of 77 pins
Used chain service limit length	39.3 in (997 mm) distance between a span of 77 pins

Chassis & Suspension	
Caster	25°00'
Trail	1.3 in (32 mm)
Tire size, front	2.50-10 33J
Tire size, rear	2.50-10 33J
Tire type	bias-ply, tube
Tire pressure, front (cold)	15 psi (100 kPa, 1.00 kgf/cm ²)
Tire pressure, rear (cold)	18 psi (125 kPa, 1.25 kgf/cm ²)
Suspension, front	3.79 in (96.3 mm) cushion stroke
	3.4 in (87 mm) axle travel
Suspension, rear	2.8 in (70 mm) axle travel

Torque Specifications	
Engine oil drain bolt	18 lbf-ft (24 N·m , 2.5 kgf·m)
Front axle nut	35 lbf-ft (46 N·m , 4.8 kgf·m)
Rear axle nut	35 lbf-ft (46 N·m , 4.8 kgf·m)

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Emission Control Systems

Exhaust Emission Requirements

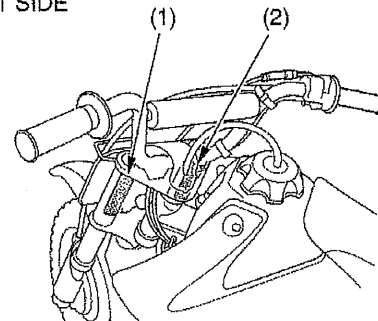
The U.S. Environmental Protection Agency (EPA), the California Air Resources Board (CARB), and Environment Canada (EC) require that your motorcycle comply with applicable exhaust emissions standards during its useful life, when operated and maintained according to the instructions provided.

Noise Emission Requirements

The EPA also requires that motorcycles built after January 1, 1983 comply with applicable noise emission standards for one year or 1,865 miles (3,000 km) after the time of sale to the ultimate purchaser, when operated and maintained according to the instructions provided. (USA only)

The Vehicle Emission Control Information Label (1) (2) is attached to the side of each front fork.

LEFT SIDE



- (1) vehicle emission control information label
- (2) vehicle emission control information label (Canada only)

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Emission Control Systems

Source of Emissions

The combustion process produces carbon monoxide (CO), oxides of nitrogen (NOx), and hydrocarbons (HC). Control of hydrocarbons and oxides of nitrogen is very important because, under certain conditions, they react to form photochemical smog when subjected to sunlight. Carbon monoxide does not react in the same way, but it is toxic.

Honda Motor Co., Ltd. utilizes various systems to reduce carbon monoxide, oxides of nitrogen and hydrocarbons.

Exhaust Emission Control System

The exhaust emission control system is composed of appropriate carburetor settings. No adjustments should be made except for an idle speed adjustment with the throttle stop screw or carburetor adjustment for high altitude operation. The exhaust emission control system is separate from the crankcase emission control system.

Crankcase Emission Control System

The engine is equipped with a closed crankcase system to prevent discharging crankcase emissions into the atmosphere. Blow-by gas is returned to the combustion chamber through the air cleaner and the carburetor.

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Emission Control Systems

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Noise Emission Control System

TAMPERING WITH THE NOISE CONTROL SYSTEM IS PROHIBITED: U. S. federal law prohibits, or Canadian provincial laws may prohibit the following acts or the causing thereof: (1) The removal or rendering inoperative by any person, other than for purposes of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use; or (2) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

AMONG THOSE ACTS PRESUMED TO CONSTITUTE TAMPERING ARE THE ACTS LISTED BELOW:

1. Removal of, or puncturing the muffler, baffles, header pipes, or any other component which conducts exhaust gases.
2. Removal of, or puncturing of any part of the intake system.
3. Lack of proper maintenance.
4. Replacing any moving parts of the vehicle, or parts of the exhaust or intake system, with parts other than those specified by the manufacturer.

Emission Control Systems

Problems that May Affect Motorcycle Emissions

If you are aware of any of the following symptoms, have the vehicle inspected and repaired by your Honda Motorcycle Dealer:

1. Hard starting or stalling after starting
2. Rough idle
3. Misfiring or backfiring during acceleration
4. After-burning (backfiring)
5. Poor performance (driveability) and poor fuel economy

Federal regulations prohibit removing or disabling a device or element of design that may affect your engine's emission performance unless your motorcycle will be used exclusively in competition. If you modify your engine for use in sanctioned competition events, you must deface or destroy the emission control information label.

Fuel Permeation Emission Control System

This vehicle complies with the Fuel Permeation Emission Control regulations of the U.S. Environmental Protection Agency (EPA), the California Air Resources Board (CARB), and Environment Canada (EC).

The fuel tank, fuel hoses, and fuel vapor charge hoses used on this vehicle incorporate fuel permeation control technologies.

Tampering with the fuel tank, fuel hoses, or fuel vapor charge hoses to reduce or defeat the effectiveness of the fuel permeation technologies is prohibited by federal regulations.

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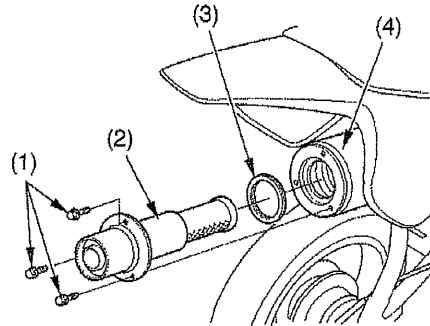
Spark Arrester

Refer to *Safety Precautions* on page 45.

The spark arrester must be serviced every 100 operating hours to maintain its efficiency.

Regular servicing prevents carbon buildup (which can diminish engine performance) and also complies with USDA regulations for regular maintenance to assure proper function. The spark arrester prevents random sparks from the combustion process in your engine from reaching the environment.

RIGHT REAR



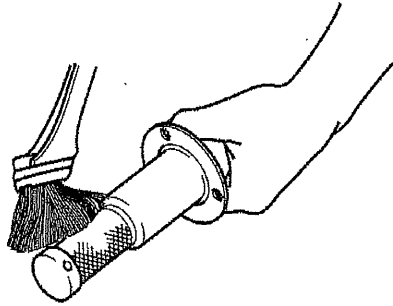
- (1) bolts
(2) spark arrester
(3) gasket
(4) muffler

1. Allow the engine and muffler to cool.
2. Remove the bolts (1), the spark arrester (2), and the gasket (3) from the muffler (4).

(cont'd)

Spark Arrester

3. Use a brush to remove carbon deposits from the spark arrester screen. Be careful to avoid damaging the spark arrester screen. The spark arrester must be free of breaks and holes. Replace, if necessary. Check the gasket. Replace, if necessary.

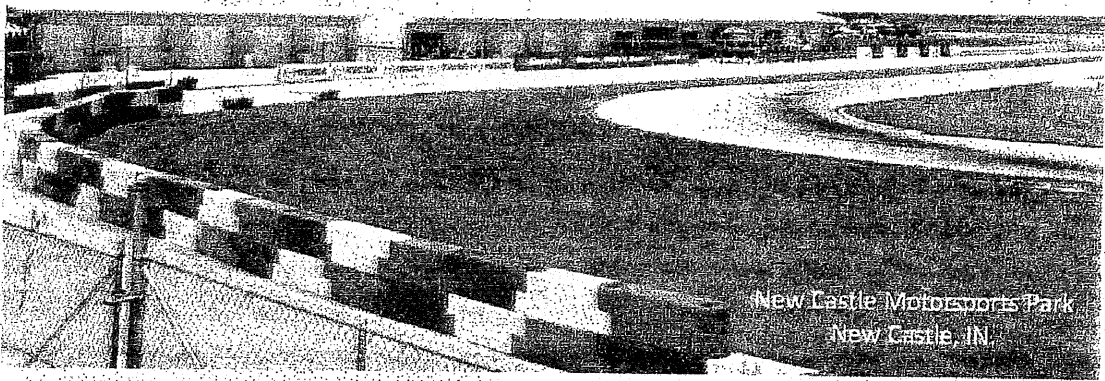


4. Install the spark arrester and the gasket in the muffler and tighten the bolts securely.

Tiny TOT Barriers Example

LINK BARRIER SYSTEM

Energy Absorbing Track Barriers

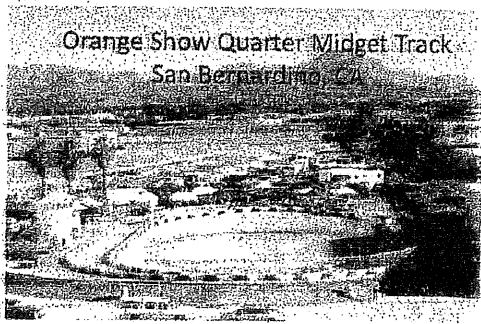


New Castle Motorsports Park
New Castle, IN

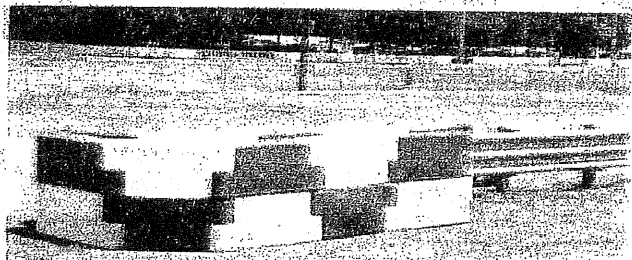
The Link Barrier System is a unique design that benefits track operators and racers alike. Designed for Auto Ovals, Road Courses, Racing Karts, Concession Karts, Motorcycles, Pocket Bikes and Quarter Midgets. Quick setup and flexibility make almost any layout possible. Available in three heights, 18", 36" or 54". With our complete line of accessories, your track can be transformed into a unique and participant pleasing venue.



- ROTATIONALLY MOLDED FROM UV STABILIZED POLYETHYLENE
- SMOOTH SURFACE IS IDEAL FOR VINYL GRAPHICS
- EACH BARRIER IS AN ADVERTISING OPPORTUNITY
- 3/4" NPT IN LINK PIN FOR ATTACHING PVC FRAMES FOR BANNERS, FLAGS, ETC.
- ALSO USEFUL FOR CONTROLLING CROWDS, PIT LANES, PARKING AND TRAFFIC



Orange Show Quarter Midget Track
San Bernardino, CA



Calistoga Speedway
Calistoga, CA

scribnerplastics.com 800.552.5847