TECHNICAL DESCRIPTION

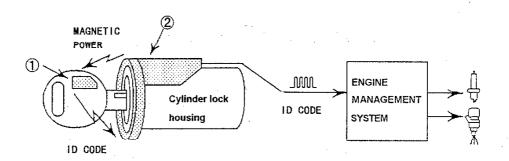
1. Name: immobilizer

MDL: RI-8FTY

This immobilizer system is to be installed on motor vehicles as OE (= original equipment) item. It is intended to prevent unauthorized use of the vehicles.

2. System Construction:

① transponder ② coiled antenna with amplifier

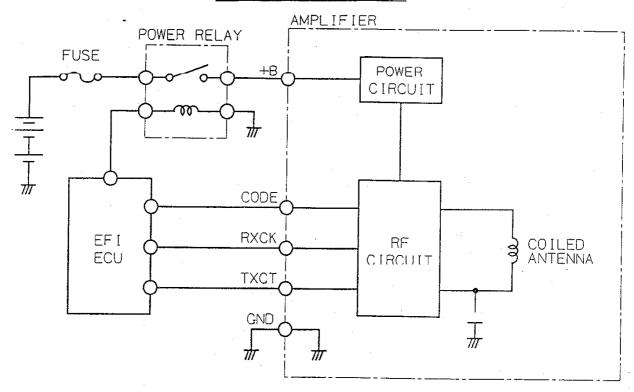


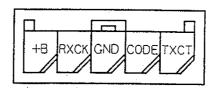
3. Specifications

ltems	Specifications
rated voltage	12 V
operating voltage range	8 to 16 V
operating temperature range	-40 to 85℃
	-40 to 60°C (key)
frequency (transmitting)	134.2 kHz
frequency (receiving)	128.7 kHz
modulation	unmodulated carrier
antenna output (max)	60 dBµV/m at 10 m (10 mW)

3. Specifications (continued)

Block Diagram of Amplifier



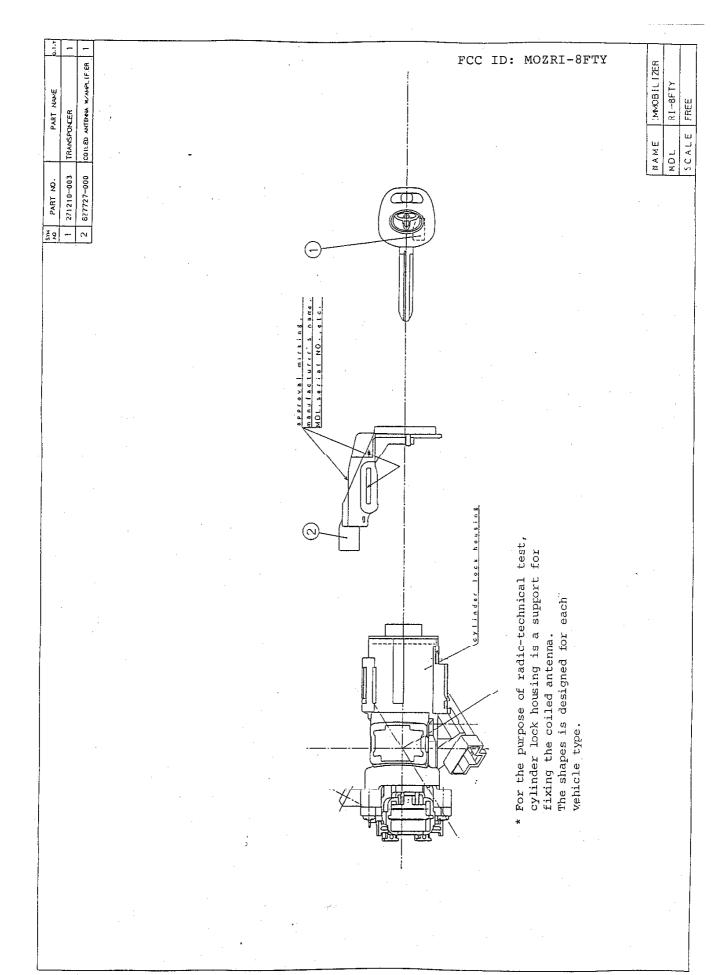


Amplifier

for Model RI-8FTY -

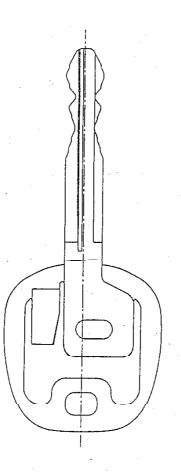
4. Operating Summary

- By the driver of the vehicle, the key (a transponder incorporated in the key grip has a certain ID code already registered to the engine management system) is inserted into the key cylinder.
- When the key is inserted into the key cylinder, the amplifier supplies high frequency electric power to coiled antenna.
- Then the electromagnetic wave generated in the coiled antenna supplies the electric power by means of electromagnetic induction to the transponder incorporated in the key grip.
- ④ After receiving the electric power from the coiled antenna, the transponder transmits the ID code using the received electric power.
- The ID code is received by the coiled antenna. Then it is amplified and shaped to 0-5 V digital signal at the amplifier.
- The digital signal is transmitted to the vehicle engine management system, which judges whether the received ID code corresponds with the registered one. When correspondence is recognized, it starts the engine.



FCC ID: MOZRI-8FTY

TRANSPONDER	271210-003	FREE	
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NAME	PART	SCALE	



 Key plae and plastic mold part are designed for each vehicle type.