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> JMA HY16 Key Blank Instruction Manual for Hyundai Vehicles

JMA HY-16

JMA HY16 Key Blank Instruction Manual

Model: HY-16

For Hyundai Vehicles (Compatible with Ilco HY3/X161)

INTRODUCTION

This manual provides essential information for the proper use and handling of the JMA HY16 key blank. This product is a high-quality, nickel-plated brass key blank designed for professional cutting to create a functional vehicle key. It is compatible with specific Hyundai vehicle models that use the Ilco HY3/X161 key profile.

Please read these instructions carefully before proceeding with key cutting or usage to ensure optimal performance and compatibility.

PRODUCT OVERVIEW



Image 1: Front view of the JMA HY16 key blank. This image displays the key head with "HY 3" and "HY 16 MEXICO"

engravings, and the standard uncut blade profile.



Image 2: Technical line drawing of the JMA HY16 key blank. This illustration highlights the JMA brand logo on the key head and the model designations "HY-16" and "HY3" at the base of the key.

The JMA HY16 key blank is manufactured from durable nickel-plated brass, ensuring longevity and reliable performance once cut. It is supplied in packs of 10, suitable for locksmiths and automotive professionals.

- **Material:** Nickel Plated Brass
- **Compatibility:** Ilco HY3/X161 key profile
- **Quantity:** 10 blanks per pack

SETUP AND PREPARATION

The JMA HY16 is a blank key and requires professional cutting to function. It is not a pre-cut key.

1. **Verify Compatibility:** Before cutting, confirm that the JMA HY16 blank is the correct profile for the target vehicle. This blank is designed for Hyundai vehicles using the Ilco HY3/X161 key profile. Consult vehicle documentation or a professional locksmith for verification.
2. **Professional Cutting:** Take the key blank and the original working key (if available) to a qualified

locksmith or automotive key cutting service. They will use specialized equipment to precisely cut the blank to match the bitting of the original key.

3. **No Transponder Chip:** This key blank does not contain a transponder chip. If the vehicle requires a transponder for ignition or security functions, a separate transponder chip and programming will be necessary. This key blank will only operate the mechanical lock cylinder.

OPERATING INSTRUCTIONS

Once the JMA HY16 key blank has been professionally cut to match your vehicle's original key, it will function as a mechanical key.

- **Door Locks:** Insert the cut key into the vehicle's door lock cylinder and turn to unlock or lock the doors.
- **Ignition:** Insert the cut key into the ignition cylinder. If the vehicle does not require a transponder chip for ignition, the key will turn and start the engine. If a transponder is required, this key will only turn the ignition but will not start the engine without the correct programmed transponder.
- **Trunk/Boot Lock:** Use the cut key to open or lock the trunk/boot, if applicable.

Always ensure the key is fully inserted and aligned before attempting to turn it to prevent damage to the key or the lock cylinder.

MAINTENANCE

Proper maintenance will extend the life of your JMA HY16 key blank once it has been cut and put into use.

- **Keep Clean:** Periodically wipe the key with a soft, dry cloth to remove dirt, dust, and debris. Avoid using harsh chemicals or abrasive materials.
- **Avoid Bending:** Do not apply excessive force or attempt to bend the key. Bending can alter the key's profile and prevent it from functioning correctly or damage the lock cylinder.
- **Lubrication:** If the lock cylinder becomes stiff, use a graphite-based lubricant specifically designed for locks. Do not use oil-based lubricants as they can attract dirt.
- **Storage:** Store spare keys in a dry, safe place away from extreme temperatures or corrosive environments.

TROUBLESHOOTING

If you encounter issues with your cut JMA HY16 key, consider the following:

- **Key Does Not Fit/Turn:**
 - **Incorrect Cutting:** The key may have been cut incorrectly. Return to the locksmith who cut the key for inspection and recutting if necessary.
 - **Incorrect Blank:** Verify that the JMA HY16 blank was indeed the correct profile for your vehicle.
 - **Worn Original Key:** If the original key used for duplication was heavily worn, the new key might not function perfectly. Try using a less worn original key for duplication if available.
 - **Lock Cylinder Issue:** The problem might be with the vehicle's lock cylinder itself, not the key. Consult an automotive locksmith or mechanic.
- **Key Turns But Engine Does Not Start:**
 - This indicates a transponder chip issue. The JMA HY16 key blank does not include a

transponder. If your vehicle requires a transponder for ignition, you will need to integrate a compatible transponder chip and have it programmed to your vehicle's immobilizer system. This is a separate process from mechanical key cutting.

SPECIFICATIONS

Manufacturer	JMA
Item Model Number	HY-16
Material	Nickel Plated Brass
Compatibility	Ilco HY3/X161 (for specific Hyundai vehicles)
Item Weight	Approximately 5 ounces (for 10 pack)
ASIN	B07GZWXM5V
Date First Available	August 31, 2018

WARRANTY AND SUPPORT

Information regarding specific product warranties is typically provided by the retailer or the manufacturer at the time of purchase. For detailed warranty terms or technical support, please contact your point of purchase or the JMA manufacturer directly.

Ensure you retain your purchase receipt as proof of purchase for any warranty claims.
