

Component Procedures: Antitheft and Alarm Systems

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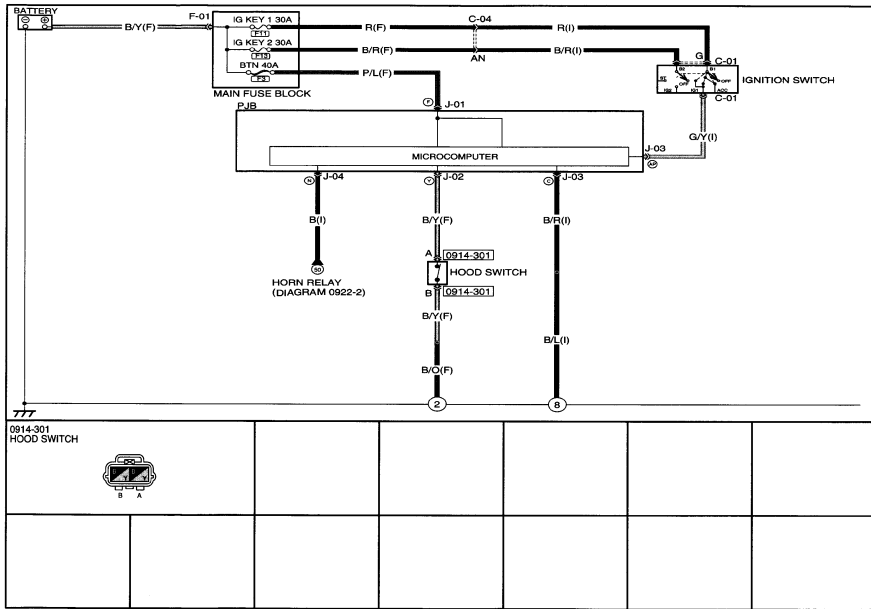
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Component Procedures: Antitheft and Alarm Systems

Theft-Deterrent System (Article 1449218)

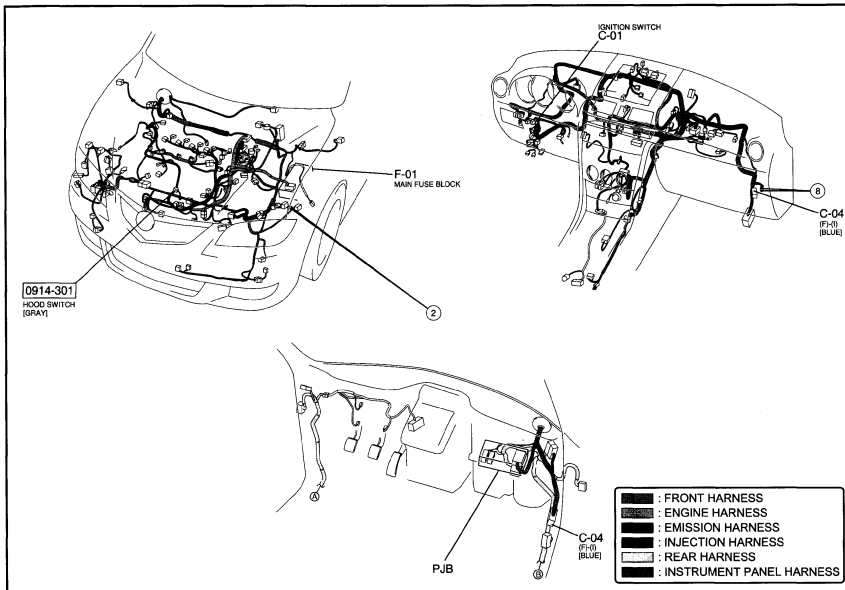
THEFT-DETERRENT SYSTEM

0914-3

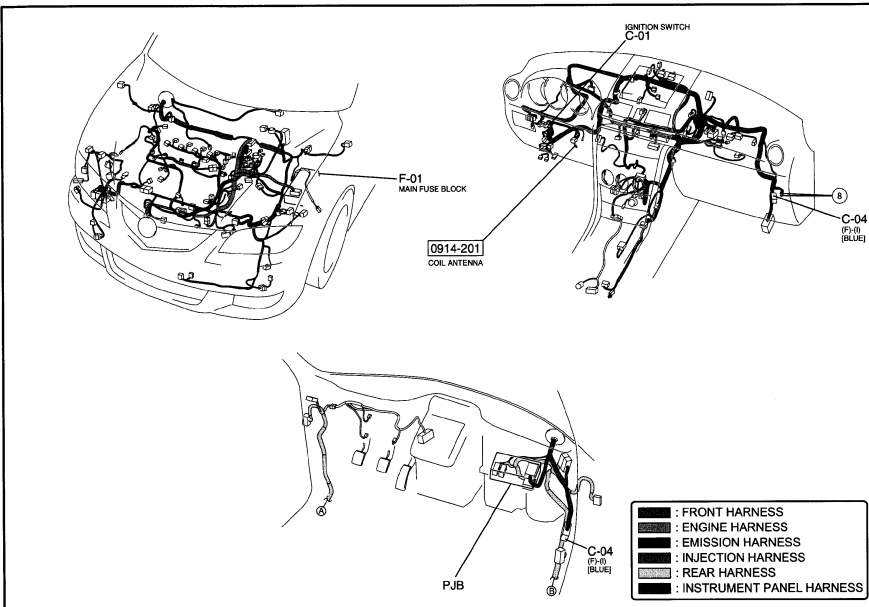
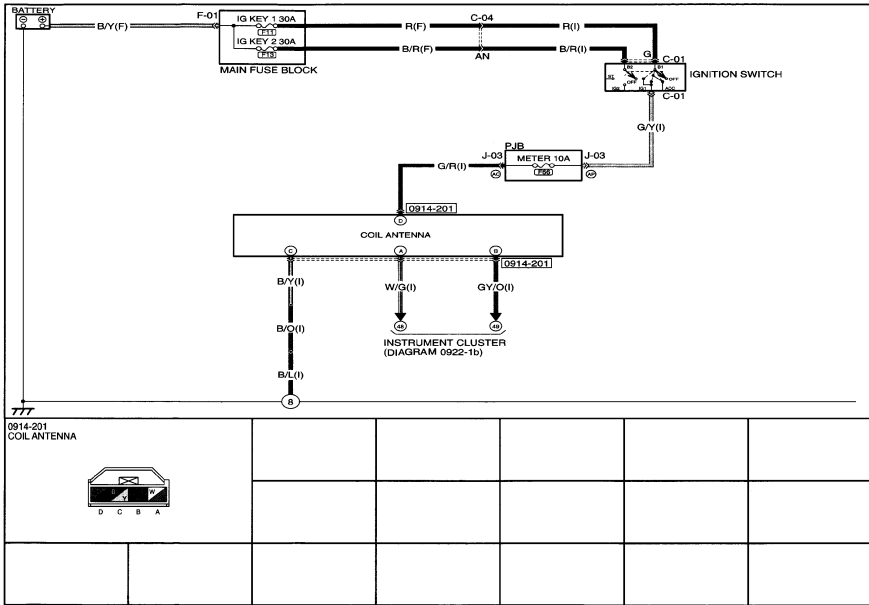


THEFT-DETERRENT SYSTEM

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Immobilizer System (Article 1449220)



Anti-Theft - Forced Entry Circuit (Article 14510)

Anti-Theft - Forced Entry Circuit

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Anti-Theft - Immobilizer Circuit (Article 14613)

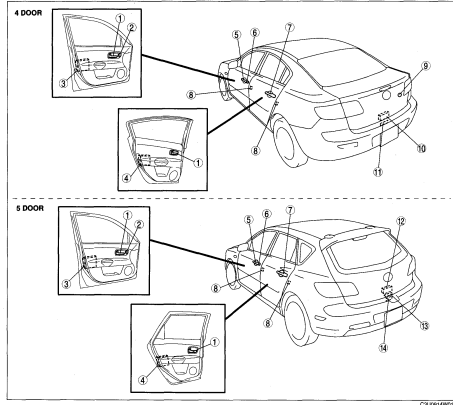
Anti-Theft - Immobilizer Circuit

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Components (itype_32)

SECURITY AND LOCKS LOCATION INDEX

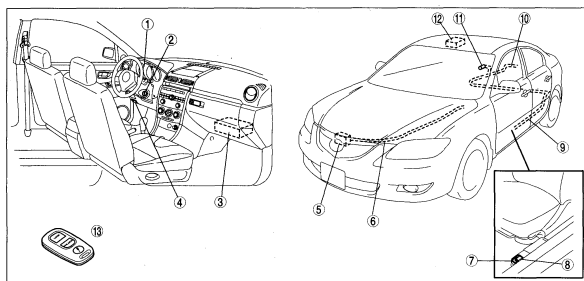
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1 Inner handle	4 Rear door latch and lock actuator
2 Door lock switch	
3 Front door latch and lock actuator	5 Front outer handle
	6 Front door key cylinder
	7 Rear outer handle
	8 Door lock striker

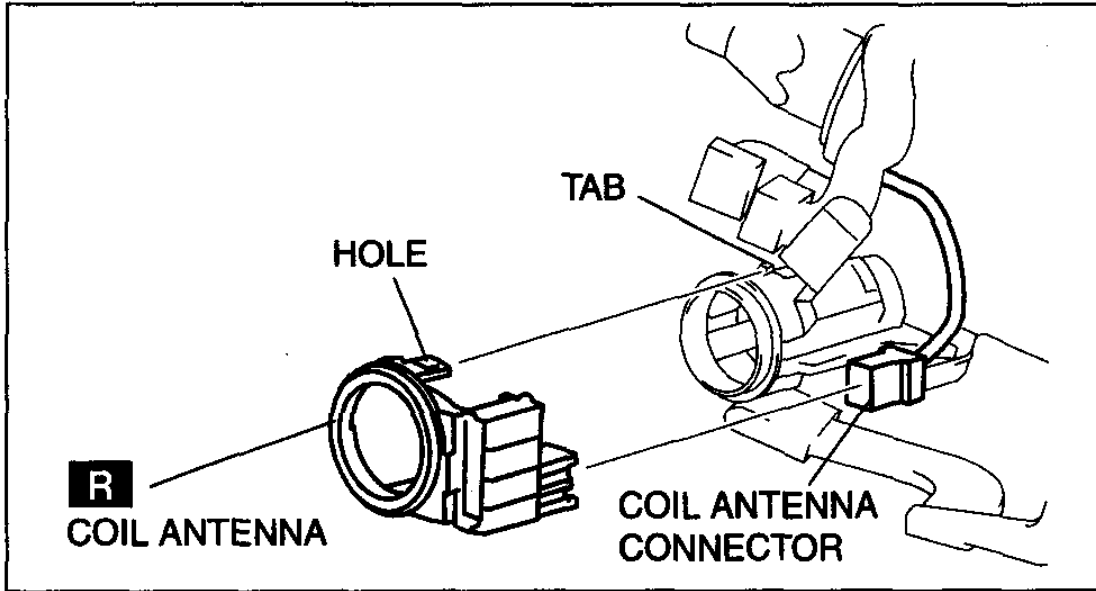
9	Trunk lid key cylinder
10	Trunk lid latch
11	Trunk lid lock striker

12	Liftgate latch and lock actuator
13	Liftgate outer handle
14	Liftgate lid lock striker



1 Instrument cluster	7 Trunk lid opener lever
2 Coil antenna	8 Fuel-filler lid opener lever
3 PJB	9 Fuel-filler lid opener cable
4 Hood release lever	10 Trunk lid opener cable
5 Hood latch	11 Fuel-filler lid opener
6 Hood cable	12 Keyless control module
	13 Transmitter

Removal and Replacement (itype_401)



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All Technical Service Bulletins (itype_100)

Tsbs

- Keyless Entry - Transmitter Battery Replacement Cautions (0904110, 2010/08/30)

Repair Tips (itype_110)

Tsbs

- Keyless Entry - Transmitter Battery Replacement Cautions (0904110, 2010/08/30)

Initial Inspection and Diagnostic Overview (itype_377)

EXAMPLES:

	METAL RING LYING ON KEY HEAD
	METAL PART OF ANOTHER KEY TOUCHING KEY HEAD
	KEY IS NEAR OR TOUCHING ANOTHER IMMOBILIZER SYSTEM KEY

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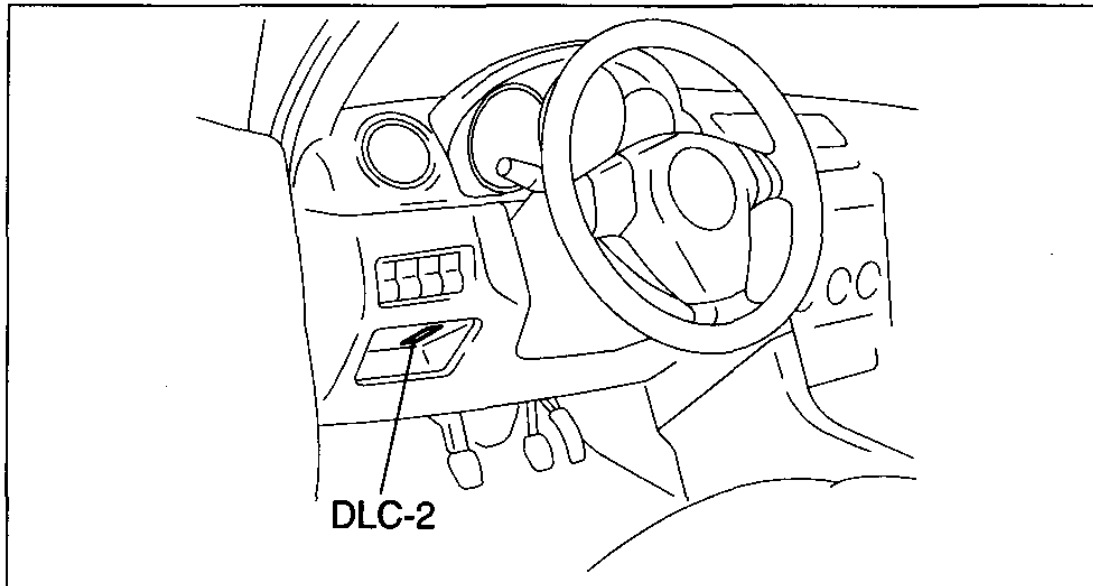
PID/Data Monitor Table (Article 1428021)

PID/DATA MONITOR TABLE [IMMOBILIZER SYSTEM]

id0902e4345900

PID name (definition)	Detection condition
NUMKEYS (Number of key ID numbers registered in the instrument cluster)	Number of key ID numbers registered: 0—8

PID/Data Monitor Inspection (Article 1430434)



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Immobilizer System Component Replacement/Key Addition and Clearing (Article 1428557)

Reference number	Situation	Required items	Cautionary notes
1	Making a spare key when the customer has two or more keys that can start the engine. Or registering an additional key.	<ul style="list-style-type: none"> Registration key 	<ul style="list-style-type: none"> If the additional key registration method has been changed to "Customer spare key programming disabled" (inhibiting the method that uses two keys that are able to start the engine), the M-MDS is required when registering the additional key. In that case, perform procedure No.2.
2	Making a spare key when the customer has one key that can start the engine or no keys. Or registering an additional key.	<ul style="list-style-type: none"> Registration key M-MDS 	
3	Clearing previously registered key ID numbers.	<ul style="list-style-type: none"> Registration keys (two or more) M-MDS 	<ul style="list-style-type: none"> All the key ID numbers registered in the vehicle will be cleared. Unless keys are re-registered after clearing the key ID numbers, the engine cannot be started. Before beginning the procedure, verify that the customer has turned in all of the keys for the vehicle. Unless two or more keys are registered after replacement, the engine cannot be started. The keys (two or more keys) readied before beginning the procedure do not have to be new keys. Any key that is capable of starting the engine before beginning the procedure can be used.
3	Replace all the keys. (Key cylinder replacement)	<ul style="list-style-type: none"> Registration keys (two or more) M-MDS 	<ul style="list-style-type: none"> When replacing the key cylinder, have two or more keys ready for registration before beginning the procedure, since the previous keys will be invalid.
4	Changing the method for registering additional keys. (Method for registering other keys using two keys that can start the engine is disabled.)	<ul style="list-style-type: none"> M-MDS 	<ul style="list-style-type: none"> After performing this procedure it is not possible to register additional keys according to procedure No.1. The system can be returned to the original setting. The M-MDS must always be used to change the system setting.
4	Changing the method for registering additional keys. (Method for registering other keys using two keys that can start the engine is enabled.)	<ul style="list-style-type: none"> M-MDS 	<ul style="list-style-type: none"> This is the default setting on new vehicles.
5	Replacing the instrument cluster.	<ul style="list-style-type: none"> Replacement instrument cluster Registration keys (two or more) M-MDS 	<ul style="list-style-type: none"> Unless keys are registered after replacing the steering lock, the engine cannot be started. Before beginning the procedure, verify that the customer has turned in all of the keys for the vehicle. Unless two or more keys are registered after replacement, the engine cannot be started. The keys (two or more keys) readied before beginning the procedure do not have to be new keys. Any key that is capable of starting the engine before beginning the procedure can be used.
5	Replacing the PCM.	<ul style="list-style-type: none"> Replacement PCM M-MDS 	

Reference number	Situation	Required items	Cautionary notes
5	Replacing the PCM and instrument cluster.	<ul style="list-style-type: none"> • Replacement PCM • Replacement instrument cluster • Registration keys (two or more) • M-MDS 	<ul style="list-style-type: none"> • Unless keys are registered after replacing the steering lock, the engine cannot be started. Before beginning the procedure, verify that the customer has turned in all of the keys for the vehicle. • Unless two or more keys are registered after replacement, the engine cannot be started. • The keys (two or more keys) readied before beginning the procedure do not have to be new keys. Any key that is capable of starting the engine before beginning the procedure can be used.
	Replacing the coil antenna.	<ul style="list-style-type: none"> • New coil antenna 	<ul style="list-style-type: none"> • It is not necessary to reset the immobilizer system.

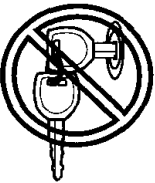
EXAMPLES:



METAL RING LYING ON KEY HEAD



METAL PART OF ANOTHER KEY TOUCHING KEY HEAD



KEY IS NEAR OR TOUCHING ANOTHER IMMOBILIZER SYSTEM KEY

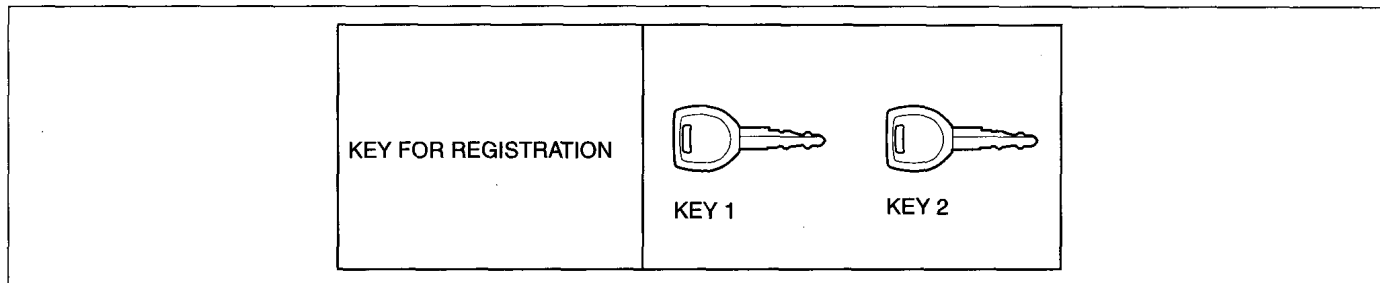
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Procedure

VALID KEY	<p>KEY 1 KEY 2</p>
KEY FOR REGISTRATION	<p>KEY 3</p>

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No.3 Key Replacement Procedure (Clearing Previously Registered Key ID Numbers, Key Re-registration) Procedure

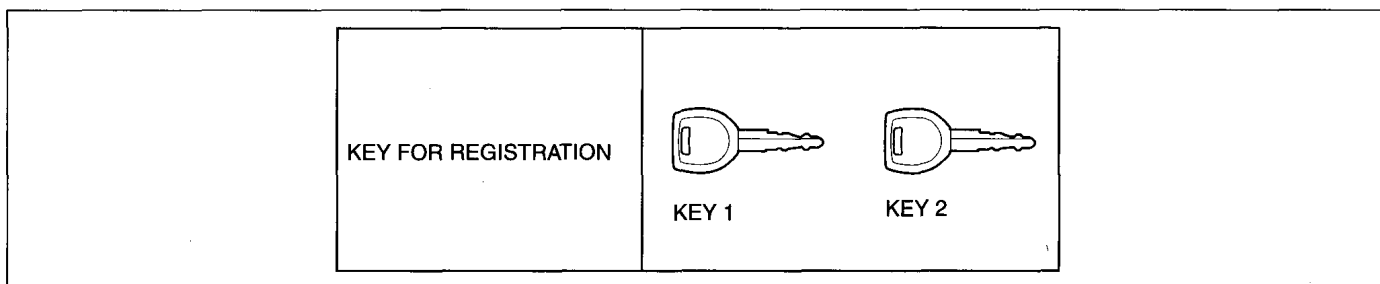


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Setting	Additional key registration method	
	Procedure using two valid keys	Procedure using the M-MDS
Customer spare key programming enable	x	x
Customer spare key programming disable	-	x

- x : Procedure is possible
- : Procedure is not possible

Procedure

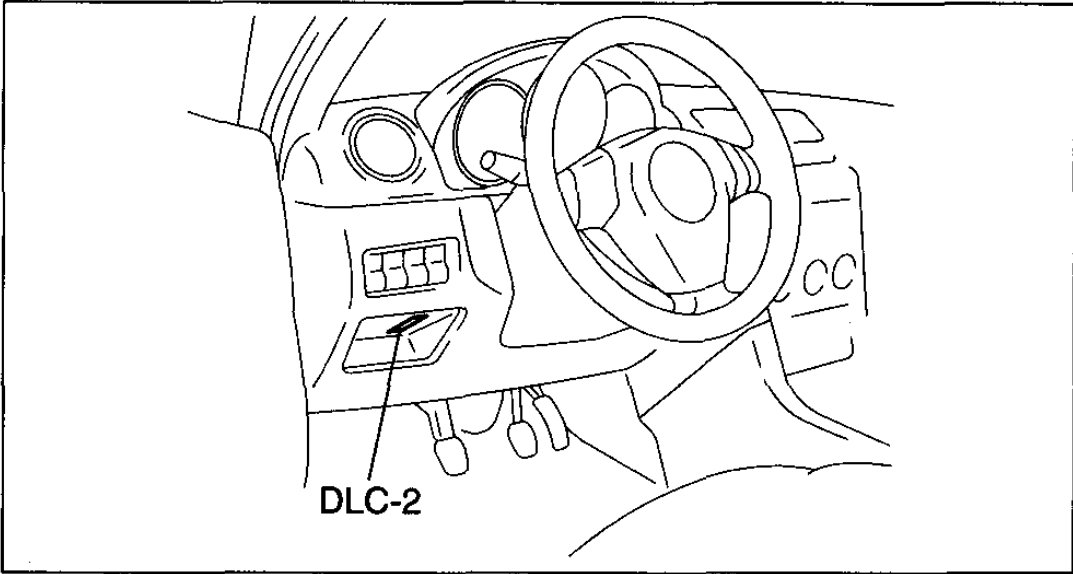


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Reading Diagnostic Trouble Codes (Article 1441036)

- Non Standards
- DTC Inspection (1436954)

Clearing Diagnostic Trouble Codes (Article 1441037)



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