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Gobricks GDS-1081

Gobricks GDS-1081 Modified 2x4 Brick with Wheels Holder User Manual

Model: GDS-1081

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1. Introduction

This manual provides detailed instructions for the Gobricks GDS-1081 Modified 2x4 Brick with Wheels Holder. This component is designed to enhance your building block creations, particularly those requiring integrated wheel mechanisms. Please read this manual thoroughly to ensure proper use and integration.

2. Product Overview

The Gobricks GDS-1081 is a specialized building block, a 2x4 brick modified with a wheels holder, a 2x2 cutout, and a central hole. It is compatible with major building block systems, including Lego model 18892, and is ideal for creating vehicles and other mobile structures.

Figure 2.1: The Gobricks GDS-1081 Modified 2x4 Brick. This image displays the dark bluish gray brick from an isometric view, highlighting its studs, the central 2x2 cutout, the hole, and the integrated wheel holders on the sides.

2.1 Key Features

- **Modified 2x4 Design:** Standard 2x4 footprint with specialized modifications.

- **Integrated Wheels Holder:** Designed to securely attach wheels for vehicle construction.
- **2x2 Cutout and Central Hole:** Provides versatility for attaching other components or axles.
- **High Compatibility:** Works seamlessly with other major building block brands.
- **Durable ABS Plastic:** Ensures longevity and robust connections.

2.2 Color Information

The GDS-1081 bricks are available in various colors. The specific variant covered in this manual is 199 Dark Bluish Gray (072). For reference on other available colors and their corresponding codes, please consult the Gobricks Color Map.

GOBRICKS COLOR MAP

COLOR		GO COLOR	LDD COLOR	RB COLOR	LDraw COLOR	10 COLOR	LEGO COLOR
	大 红	010	21 - Bright Red	Red	5	4	21
	粉 红	011	222 - Light Purple	Bright Pink	104	29	222
	桃 红	012	221 - Bright Purple	Dark Pink	47	5	221
	紫 红	013	124 - Bright Reddish Violet	Magenta	71	26	124
	柿 红	014	154 - New Dark Red	Dark Red	59	320	154
	橙 黄	021	106 - Bright Orange	Orange	4	25	106
	黄 色	030	24 - Bright Yellow	Yellow	3	14	24
	杏 黄	031	5 - Brick Yellow	Tan	2	19	5
	浅 肉	032	283 - Light Nougat	Light Flesh	90	78	283
	牙 黄	033	226 - Cool Yellow	Bright Light Yellow	103	226	226
	土 黄	034	138 - Sand Yellow	Dark Tan	69	28	138
	金 黄	035	297 - Warm Gold	Pearl Gold	115	297	297
	深 黄	036	191 - Flame Yellowish Orange	Bright Light Orange	110	191	191
	绿 色	040	28 - Dark Green	Green	6	2	28
	军 绿	041					
	草 绿	042	119 - Bright Yellowish Green	Lime	34	27	119
	果 绿	043	37 - Bright Green	Bright Green	36	10	37
	浅 绿	044	326 - Spring Yellowish Green	Yellowish Green	158		326
	粉 绿	045	323 - Aqua	Light Aqua	152	323	323
	翠 绿	046	322 - Medium Azur	Medium Azure	156	322	322
	墨 绿	047	141 - Earth Green	Dark Green	80	288	141
	渐 绿	048	151 - Sand Green	Sand Green	48	378	151
	马丁绿	049	330 - Olive Green	Olive Green	155	330	330
	蓝 色	050	23 - Bright Blue	Blue	7	1	23
	天 蓝	051	321 - Dark Azur	Dark Azure	153	321	321
	浅 蓝	052	102 - Medium Blue	Medium Blue	42	73	102
	粉 蓝	053	212 - Light Royal Blue	Bright Light Blue	105	212	212
	蓝 灰	054	135 - Sand Blue	Sand blue	55	379	135
	宝 蓝	055	140 - Earth Blue	Dark Blue	63	272	140
	紫 色	060	268 - Medium Lilac	Dark Purple	89	85	268
	蓝光紫	062	324 - Medium Lavender	Medium Lavender	157	30	324
	浅 紫	063	325 - Lavender	Lavender	154	31	325
	浅 灰	071	194 - Medium Stone Grey	Light Bluish Gray	86	71	194
	深 灰	072	199 - Dark Stone Grey	Dark Bluish Gray	85	72	199
	浅银灰	073	315 - Silver Metallic	Flat Silver	95	179	315
	黑 色	080	26 - Black	Black	11	0	26
	棕 色	081	192 - Reddish Brown	Reddish Brown	88	70	192
	棕 枣	082	308 - Dark Brown	Dark Brown	120	308	308
	咖 啡	083	38 - Dark Orange	Dark Orange	68	484	38
	浅咖啡	084	312 - Medium Nougat	Medium Dark Flesh	150	84	312
	橙 棕	085					
	白 色	090	1 - White	White	1	15	1
	明 红	110	41 - Tr. Red	Trans-Red	17	36	41
	明紫红	111	113 - Tr.Medium Reddish Violet	Trans-Dark Pink	50	37	113
	明 橙	120	182 - Tr. Bright Orange	Trans-Orange	98	57	182
	明 黄	130	44 - Tr. Yellow	Trans-Yellow	19	46	44
	明 绿	140	48 - Tr. Green	Trans-Green	20	34	48
	明草绿	141	49 - Tr. Fluore. Green	Trans-Neon Green	16	42	49
	明 蓝	150	43 - Tr. Blue	Trans-Dark Blue	14	33	43
	明浅蓝	152	42 - Tr. Light Blue	Trans-Light Blue	15	43	42
	明 紫	160	126 - Tr.Bright Bluish Violet	Trans-Purple	51	52	126
	明 茶	170	111 - Tr. Brown	Trans-Black	13	40	111
	全透明	180	40 - Transparent	Trans-Clear	12	47	40

Figure 2.2: Gobricks Color Map. This chart provides a comprehensive list of Gobricks colors, including their GO Color, LDD Color, RB Color, LDraw Color, 10 Color, and Lego Color equivalents, useful for matching and identifying specific brick hues.

3. Setup and Assembly

The GDS-1081 brick is designed for straightforward integration into your existing building block projects.

3.1 Basic Integration

1. **Identify Connection Points:** Locate the studs on the top surface of the GDS-1081 brick and the anti-studs on its bottom surface.
2. **Attach to Base:** Connect the GDS-1081 brick to a baseplate or other bricks by aligning the studs and pressing firmly.
3. **Attach Other Bricks:** Use the studs on the GDS-1081 to attach additional bricks on top, building upwards.

3.2 Attaching Wheels

1. **Select Compatible Wheels:** Ensure you have wheels with an axle hole compatible with the integrated wheel holders on the GDS-1081.
2. **Insert Axle:** Gently push the axle of the wheel into the designated holder on the side of the GDS-1081 brick until it is securely seated.
3. **Verify Movement:** After attachment, ensure the wheel spins freely without excessive friction.

3.3 Utilizing the Cutout and Hole

- **2x2 Cutout:** This area can be used to recess other 2x2 components or to create a lower profile for certain assemblies.
- **Central Hole:** The central hole is typically designed for Technic pins or axles, allowing for more complex mechanical connections or pivot points.

4. Operating Instructions

Once assembled, the GDS-1081 brick functions as a foundational element for mobile constructions.

4.1 Building Vehicles

Integrate the GDS-1081 bricks into the chassis of your vehicle designs. The wheel holders provide a stable and consistent attachment point for axles and wheels, ensuring smooth movement. Consider using multiple GDS-1081 bricks for larger or more complex vehicles.

4.2 Structural Support

Beyond vehicle applications, the GDS-1081 can serve as a structural component where a recessed area or a specific axle connection is required. Its robust design ensures stability in various building scenarios.

5. Maintenance

Proper care will ensure the longevity and continued compatibility of your Gobricks GDS-1081 components.

5.1 Cleaning

- **Dust Removal:** Use a soft, dry cloth or a small brush to remove dust and debris.
- **Washing:** For deeper cleaning, wash the bricks by hand using lukewarm water and a mild soap. Avoid harsh chemicals or abrasive cleaners.
- **Drying:** Air dry the bricks completely before storage or reassembly to prevent water spots or damage.

5.2 Storage

Store bricks in a clean, dry environment away from direct sunlight and extreme temperatures. Organize them to prevent loss and facilitate easy access for future projects.

6. Troubleshooting

If you encounter issues with your GDS-1081 bricks, refer to the following common problems and solutions.

6.1 Loose Connections

- **Issue:** Bricks do not hold together firmly.
- **Solution:** Ensure the studs and anti-studs are clean and free of debris. Verify that the bricks are fully pressed together. If the issue persists across multiple bricks, contact support.

6.2 Wheels Not Spinning Freely

- **Issue:** Wheels attached to the holder are stiff or do not rotate smoothly.
- **Solution:** Check for any foreign objects obstructing the axle. Ensure the axle is fully inserted and not bent. Verify that the wheels themselves are not damaged.

6.3 Compatibility Issues

- **Issue:** Bricks do not connect properly with other brands.
- **Solution:** While Gobricks are designed for high compatibility, slight variations can occur. Ensure you are using standard-sized compatible bricks. If issues persist, it may indicate a manufacturing defect; contact support.

7. Specifications

Feature	Detail
Model Number	GDS-1081
Type	Modified 2x4 Brick with Wheels Holder, 2x2 Cutout, and Hole
Material	ABS Plastic
Block Shape	Self-Locking Bricks
Compatibility	Compatible with Lego 18892 and other major building block systems
Recommended Age	14 years and up
Color (as per this variant)	199 Dark Bluish Gray (072)
Quantity (as per this variant)	200 Pieces

8. Warranty & Support

8.1 Manufacturer's Warranty

Gobricks products are manufactured to high-quality standards. For specific warranty information regarding manufacturing defects or material issues, please refer to the official Gobricks website or contact their customer service directly. Please retain your proof of purchase for any warranty claims.

8.2 Customer Support

If you have any questions, require assistance, or need to report an issue not covered in this manual, please contact Gobricks customer support through their official channels. Contact information can typically be found on the product packaging or the Gobricks official website.

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