

◀ Reference Page 103 For Items & Part Numbers

Rotating Wheel Target & Back Panel Disassembly For Repair

Technicians Remember the Basics: All Service should be done by qualified personnel. **ALWAYS REMOVE POWER BEFORE SERVICING.** Service assemblies which are above the playfield, with the playfield resting on the Support Slide Brackets (inclined lower position). When lowering, ensure playfield is pushed forward 'til the stop is felt, before lowering to ensure the Trough Popper Mechanism clears the Coin Mechanisms on the Coin Door. Re-assembly is the reverse of disassembly (removal). Keep track of securing hardware (which are referenced under the items in the Parts Table) Use **Loctite Blue 242** on the threads all screws to ensure the screws will not loosen in play.

When in doubt, give us a call!

COMPLETE MOTOR (ITEMS 11-15) ASSEMBLY REMOVAL:

1. Remove the two (2) front Hex Washer Head screws that hold the Screened Plastic (Semi-Truck) Hauler facade (not shown) to the Main Motor Mounting Bracket (Item 10) or reference the **Xs** on the next page drawing.
2. Unclip the wires that are held to the backside of the facade (behind/inside) from the Ramp OPTOs.
3. Lay the facade as much out of the way as possible.
4. Remove the two (2) OPTO Connectors from the motor OPTOs at the OPTO Board on the Front of the Back Panel. Note the decals reference which Connector to reconnect to.
5. Disconnect the motor power connector (located behind the Back Panel near the motor).
6. Remove the four (4) screws (Ref. under Item 10) that secures the Motor Mounting Bracket (Item 10) to the Back Panel.
7. Remove the entire assembly from the game for servicing.

REMOVE WHEEL (IMPACT PLATE, ITEM 13) FROM THE MOTOR ASSEMBLY:

1. Remove the two (2) front Hex Washer Head screws that hold the Screened Plastic (Semi-Truck) Hauler facade (not shown) to the Main Motor Mounting Bracket (Item 10) or reference the **Xs** on the next page drawing.
2. Unclip the wires that are held to the backside of the facade (behind/inside) from the Ramp OPTOs.
3. Lay the facade as much out of the way as possible.
4. Remove the two (2) screws that hold the front motor OPTO (Ref. Item 15) in place and set the OPTO aside.
5. Remove the screw that holds the wheel (Impact Plate, Item 13) to the motor (center, Ref. Item 14).

>> CAUTION! Make sure to **KEEP** the Washer (Ref. under Item 14) which retains the Wave Washer (WV Spring, Item 14) that are just under the screw. **<< CAUTION!**

THE WAVE WASHER SPRING is a SAFETY ITEM that ensures that the Impact Plate will slip in the event it makes contact with any solid object while the motor is turning.

6. Remove the Wheel (Impact Plate).

REMOVE THE MOTOR & GEAR BOX FROM THE MOTOR MOUNTING BRACKET:

1. Follow **COMPLETE MOTOR (ITEMS 11-15) ASSEMBLY REMOVAL:** above.
2. Note the four (4) spacers between the Motor Gear box on the inside of the Motor Mounting Bracket. These spacers are what position the Impact Plate (wheel) to clear the open space in the Left Ramp. As parts may differ in future productions, these spacers may not exist. Rule of thumb, replace the same items you remove into the same position.

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