



The world's cleanest garage



INSTALLATION INSTRUCTIONS - CEILING POWER TRAK, HANGER HOOKS AND RACKS

I. CONTENTS – CEILING POWER TRAK KIT

QUANTITY	DESCRIPTION
2	POWER TRAK, 5 FT LG
4	END CAPS, YELLOW
10	SCREWS, 1 5/8" LG
10	WASHERS, 5/8 OD X 1/8 ID
10	SCREWS, 3" LG (OPTIONAL USE FOR THICKNESSES OF DRYWALL)

TOOLS REQUIRED

SAFETY GLASSES
DRILL WITH 1/8" BIT AND PHILLIPS DRIVER
STUD FINDER OR SMALL DRILL BIT / FINISHING NAIL
TAPE MEASURE AND MARKER / PENCIL

II. CONTENTS – "D" HANGER HOOK

QUANTITY	DESCRIPTION
1	"D" HANGER HOOK
1	KNOB
1	THREADED CONNECTOR
1	CHANNEL NUT

TOOLS REQUIRED – NONE

III. CONTENTS – "C" HANGER HOOK

QUANTITY	DESCRIPTION
1	"C" HANGER HOOK
1	KNOB
1	THREADED CONNECTOR
1	CHANNEL NUT

TOOLS REQUIRED - NONE

IV. CONTENTS – RING HANGER HOOK

QUANTITY	DESCRIPTION
1	RING HANGER HOOK
1	KNOB
1	THREADED CONNECTOR
1	CHANNEL NUT

TOOLS REQUIRED – NONE

V. CONTENTS – FLAT CONNECTOR

QUANTITY	DESCRIPTION
1	FLAT CONNECTOR
1	KNOB
1	THREADED CONNECTOR
1	CHANNEL NUT

TOOLS REQUIRED - NONE

CEILING POWER TRAK INSTALLATION

PRELIMINARY: CHECK THE PARTS RECEIVED AGAINST THE BILL OF MATERIAL LIST ON PAGE 1.

STEP #1: LOCATE / MARK CEILING JOIST LOCATIONS.

STEP #2: THE POWER TRAK CHANNEL IS SUPPLIED IN CONVENIENT LENGTHS OF 5 FT. IF SHORTER LENGTHS ARE DESIRED, CUT TO LENGTH USING A SAWZALL MITER SAW, JIG SAW OR HACKSAW.



STEP #3: DRILL 1/8" HOLES AT THE DETERMINED JOIST LOCATIONS. (USE THE GUIDELINE INSIDE THE POWER TRAK CHANNEL TO CENTER THE HOLES)

STEP #4: SCREW INTO THE CEILING JOISTS. USE THE SUPPLIED 1 5/8" LG SCREW & WASHER WHEN MOUNTING DIRECTLY TO AN EXPOSED JOIST OR THRU A SINGLE THICKNESS OF DRYWALL, USE THE SUPPLIED 3" LG SCREW & WASHER WHEN INSTALLING THRU A THICKNESS OF DRYWALL.

STEP #5: PRESS THE END CAPS INTO CHANNEL ENDS TO COMPLETE THE INSTALLATION.



POWER TRAK CHANNEL INSTALLATION GUIDELINES

- 1) AS A RULE OF THUMB, TRY TO MOUNT THE CHANNEL PERPENDICULAR TO CEILING JOISTS. MOUNTING PERPENDICULAR TO CEILING JOISTS WILL SPREAD THE LOADS FROM THE ACCESSORIES OVER MULTIPLE JOISTS, INSTEAD OF ON ONLY ONE JOIST.
- 2) SCREW INTO CEILING JOISTS AT EVERY JOIST LOCATION (PROBABLY EVERY 16")
- 3) ALWAYS SCREW THE ENDS OF THE POWERTRAK CHANNEL INTO A JOIST. IE. DON'T LEAVE 12" OF ITS END UNFASTENED.
- 4) ALWAYS USE THE WASHER WITH THE FASTENING SCREW. THIS WASHER DISTRIBUTES THE LOAD INTO THE CHANNEL EVENLY. WITHOUT THE WASHER, THE CHANNEL MIGHT PULL OUT UNDER HEAVY LOADS.

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- 2) SCREW INTO CEILING JOISTS AT EVERY JOIST LOCATION (PROBABLY EVERY 16")
- 3) SCREW THE ENDS OF THE POWERTRAK CHANNEL ALWAYS INTO A JOIST. IE. DON'T LEAVE 12" OF ITS END UNFASTENED.
- 4) ALWAYS USE THE WASHER WITH THE FASTENING SCREW. THIS WASHER DISTRIBUTES THE LOAD INTO THE CHANNEL EVENLY. WITHOUT THE WASHER, THE CHANNEL MIGHT PULL OUT UNDER HEAVY LOADS.

THREADED CONNECTOR INSTALLATION

STEP #1: SCREW THE ACCESSORY ONTO THE THREADED CONNECTOR AND TIGHTEN. SLIP THE KNOB ONTO THE CONNECTOR AND SCREW THE CHANNEL NUT ONTO THE CONNECTOR THREAD WITH 1/8" OF THREAD PAST THE NUT, AS SHOWN BELOW. IMPORTANT: THE SIDE OF THE NUT WITH THE CROSS HATCHED GROOVE IS TO FACE THE KNOB.

STEP #2: POSITION THE CONNECTOR INTO THE POWERTRAK CHANNEL. THE NUT BEING INLINE WITH THE CHANNEL OPENING.



STEP #1



STEP #2

STEP #3: TURN THE CHANNEL NUT 90 DEGREES, PULL DOWN AND TURN THE CONNECTOR UNTIL TIGHTENED AND FACING THE DIRECTION DESIRED. THE "PULLING DOWN" SEATS THE NUT GROOVE ON THE POWERTRAK CHANNEL AND PREVENTS THE CONNECTOR FROM TURNING WHEN TIGHTENING.



STEP #3



COMPLETE

CEILING POWER TRAK INSTALLATION

FLAT AND ROUND CONNECTOR INSTALLATION

THERE IS ONE MAJOR DIFFERENCE BETWEEN INSTALLING THE FLAT OR ROUND CONNECTOR AND THE THREADED CONNECTOR. THE ACCESSORY IS USUALLY FASTENED TO THE FLAT OR ROUND CONNECTOR AFTER THE CONNECTOR IS PLACED IN THE POWERTRAK AND LOOSELY TIGHTENED.



COMPONENT DETAILS / DIMENSIONS

GT9150, POWERTRAK CHANNEL

THE POWERTRAK CHANNEL IS AN EXTRUDED, TEMPERED ALUMINUM PROFILE WITH A CLEAR ANODIZED FINISH. THE ALUMINUM BASE MATERIAL AND FINISH MAKE THE PART CORROSION PROOF TO DISCOLORATION, OXIDATION, RUST AND STAINING. THERE IS NO PAINT TO CHIP, SCRATCH OR CRACK.

BEING ALUMINUM ALLOWS IT TO BE EASILY CUT AND DRILLED FOR INSTALLATION. THERE IS A "GUIDELINE" ON THE INSIDE CENTER OF THE PART FOR EASY LOCATION OF THE MOUNTING SCREW.

GT9152, THREADED CONNECTOR

THE THREADED CONNECTOR IS MACHINED STEEL WITH A BLACK OXIDE FINISH. THE BLACK OXIDE FINISH IS RUST RESISTANT WHICH IS CHEMICALLY APPLIED AND WILL NOT CHIP OR PEEL.

ONE END OF THE PART HAS A 5/16 THREADED HOLE FOR ATTACHING TO ACCESSORIES WITH THREADED ENDS. THE MALE THREAD ON THE OTHER END SCREWS INTO THE CHANNEL NUT, GT9157.

THE SIDES OF THE PART ARE A HEXAGON, SO A WRENCH CAN EASILY BE USED TO TIGHTEN THE ACCESSORY CONNECTION WITH DAMAGING ITS SURFACE. TIGHTENING TO POWERTRAK CHANNEL CAN BE DONE BY HAND.



CEILING POWER TRAK INSTALLATION

GT9154, ROUND CONNECTOR

THE ROUND CONNECTOR IS MACHINED STEEL WITH A BLACK OXIDE FINISH. THE BLACK OXIDE FINISH IS RUST RESISTANT WHICH IS CHEMICALLY APPLIED AND WILL NOT CHIP OR PEEL.

ONE END OF THE PART IS ROUND TO FIT INSIDE ACCESSORIES CONSTRUCTED OF TUBING AND HAS A 5/16 THRU HOLE FOR ACCEPTING A THRU BOLT CONNECTION.

THE MALE THREAD ON THE OTHER END SCREWS INTO THE CHANNEL NUT, GT9157.

THIS CONNECTOR USUALLY INSTALLS INTO THE POWERTRAK CHANNEL BEFORE THE ACCESSORY IS MOUNTED. USE A SCREW DRIVER IN THE THRU HOLE TO TIGHTEN THIS CONNECTOR INTO THE CHANNEL.

GT9155, FLAT CONNECTOR

THE FLAT CONNECTOR IS STEEL WITH A BLACK OXIDE FINISH. THE BLACK OXIDE FINISH IS RUST RESISTANT WHICH IS CHEMICALLY APPLIED AND WILL NOT CHIP OR PEEL.

ONE END OF THE PART IS FLAT WITH A THRU HOLE FOR ACCEPTING A THRU BOLT CONNECTION FROM THE ACCESSORY. THE MALE THREAD ON THE OTHER END SCREWS INTO THE CHANNEL NUT, GT9157.

THERE IS A PORTION OF THE PART WHICH ALSO IS HEXAGON SHAPED, BUT ISN'T NEEDED FOR TIGHTENING INTO THE POWERTRAK CHANNEL. THE CONNECTOR CAN BE TIGHTENED BY HAND.



GT9153, YELLOW KNOB

THE KNOB IS AN INJECTION MOLDED PART WITH "GARAGETEK" MOLDED ON ITS EXPOSED SURFACE.

THIS KNOB IS DECORATIVE; IT SERVES NO PURPOSE OTHER THAN TO HIDE THE "MECHANICAL" APPEARANCE BETWEEN THE CONNECTOR AND CHANNEL NUT WHEN MOUNTED IN THE POWERTRAK. IT IS AN ACCENT PIECE.

THE KNOB LOOSELY RESTS ON THE TOP OF THE CONNECTORS AND IS UNDER NO LOAD.

CEILING POWER TRAK INSTALLATION

GT9157, CHANNEL NUT

THE CHANNEL NUT IS CASE HARDENED STEEL WITH A RUST RESISTANT, GALVANIZED FINISH.

IT MOUNTS ON THE INSIDE OF THE POWERTRAK CHANNEL PROFILE AND THE FLAT, ROUND, OR FLAT CONNECTOR IS SCREWED THRU IT.

THE CHANNEL NUT SERVES TWO (2) PURPOSES: 1) IT CARRIES THE LOAD FROM WHATEVER IS ON THE ACCESSORY (HANGER HOOK, ATTIC, OVERHEAD STORAGE RACK, ETC.) TO THE POWERTRAK AND 2) WHEN THE CONNECTOR IS TIGHTENED, LOCKS THE ACCESSORY IN PLACE ON THE POWERTRAK.

THE CHANNEL NUT HAS A 5/16 THREADED HOLE THRU WHICH THE THREADED, ROUND AND FLAT CONNECTORS ATTACH. IT HAS ROUNDED EDGES ON TWO CORNERS TO MADE IT EASY TO BE TURNED AND POSITIONED ON THE POWERTRAK.

THERE IS A CORRECT TOP AND BOTTOM TO THE NUT WHEN INSTALLED. THE CROSS HATCHED GROOVES ARE TO FACE DOWN TO ALIGN WITH THE INSIDE ARMS OF THE POWERTRAK. THIS IS INTENDED TO STOP THE CHANNEL NUT FROM FREELY TURNED WHEN TIGHTENED.



GT9156, CHANNEL END CAP

THE CHANNEL END CAP IS A YELLOW INJECTION MOLDED PART WITH “GARAGETEK” ENGRAVED ON ITS FACE.

IT IS A TRIM PIECE USED TO FINISH OFF THE ENDS OF THE POWERTRAK WHEN THE POWERTRAK IS NOT INSTALLED FLUSH TO THE FACE OF A SIDE WALL.

TO INSTALL, IT IS EASILY PRESSED INTO THE EXPOSED END OF THE POWERTRAK. THERE IS A INTERFERENCE RIDGE ON EACH SIDE OF THE END CAP WHICH HOLDS THE PART PERMANENTLY IN PLACE.

4. ASSEMBLY PHOTOS OF COMPONENTS

THE ATTACHMENT BETWEEN THE CONNECTORS AND THE VARIOUS ACCESSORIES ARE SHOWN ON THE FOLLOWING 2 PAGES. AS SHOWN, YOU CAN MOUNT YOUR OWN ITEMS USING THE ABOVE CONNECTORS.

CEILING POWER TRAK INSTALLATION



FLAT CONNECTOR TO ATTIC FRAMING



ROUND CONNECTOR TO AN OVERHEAD STORAGE RACK W/ ROUND TUBE



FLAT CONNECTOR TO AN OVERHEAD STORAGE RACK W/ A FLAT STRAP

THREADED CONNECTOR TO RING HANGER (CAN ALSO BE SUBSTITUTED FOR HOIST SCREW HOOKS)

CEILING POWER TRAK INSTALLATION



THREADED CONNECTOR TO "C" & "D" HANGER HOOKS



**THREADED CONNECTOR TO
LIGHTING FIXTURE**



**THREADED CONNECTOR TO
LASER PARKING GUIDE**