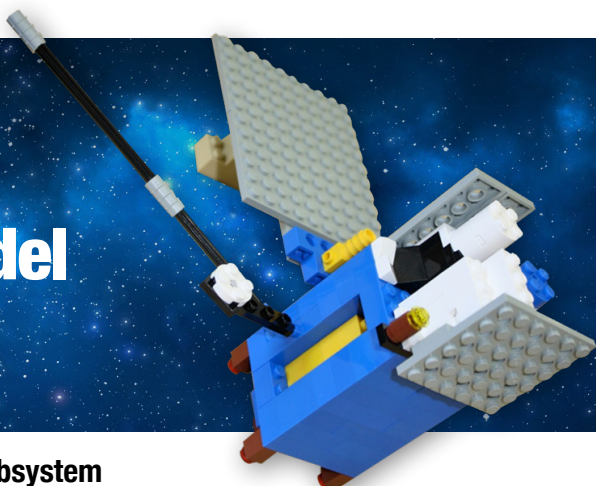




Build Your Own GOES-R LEGO® Model

Part and Brick List



GOES-R LEGO® Parts – by subsystem

Subsystem

Earth Pointing Platform.....	Brick 2X6
Earth Pointing Platform.....	Brick 2X6
Earth Pointing Platform.....	Brick 1X6
Earth Pointing Platform.....	Technic Brick 1x6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
+Y Panel.....	Brick 2X6
+Y Panel.....	Brick 2X6
+Y Panel.....	Brick 2X6
+Y Panel.....	Brick 1X6
+Y Panel.....	Brick 1X2
+Y Panel.....	Brick 1X2
+Y Panel.....	Technic Brick 1x2
+Y Panel.....	Brick 2X4
+Y Panel.....	Brick 1X2
+Y Panel.....	Brick 1X1
+Y Panel.....	Angular Brick 1X1
+Y Panel.....	Brick 2X2
+Y Panel.....	Brick 2X3
+Y Panel.....	Brick 1X1
+Y Panel.....	Brick 2X6
Propulsion Core.....	Brick 2X2
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 2X6
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 1X2
Propulsion Core.....	Brick 1X2
SEISS Cabinet.....	Brick 2X2
SEISS Cabinet.....	Roof Tile 2X2
X-band Antenna.....	Plate 2X2
X-band Antenna.....	Plate 2X2 Round
X-band Antenna.....	Bearing Plate 1X4, Double
GLM.....	Plate 2X6

GLM.....	Plate 2X6
GLM.....	Brick 2X2
GLM.....	Brick Ø16 W. Cross
GLM.....	Brick Ø16 W. Cross
GLM.....	Roof Tile 2X2
GLM.....	Roof Tile 2X2
GLM.....	Angle Plate 1X2 / 2X2
GLM.....	Plate 1X2
ABI.....	Plate 2X6
ABI.....	Plate 2X6
ABI.....	Plate 2X6
ABI.....	Plate 2X6
ABI.....	Plate 2X6
ABI.....	Angle Plate 1X2 / 2X2
ABI.....	Brick Ø16 W. Cross
ABI.....	Brick 1X1
ABI.....	Brick 1X2
ABI.....	Brick 2X3
ABI.....	Brick 2X3
ABI.....	Plate 2X4
ABI.....	Brick 2X3
ABI.....	Brick 2X3
ABI.....	Brick 2X4
ABI.....	Brick 1X4
ABI.....	Plate 1X1
ABI.....	Plate 1X1
Solar Array.....	Plate 6X10
Solar Array.....	Plate 6X10
Solar Array.....	Plate 6X10
Solar Array.....	Plate 2X8
Solar Array.....	Plate 2X2
Solar Array.....	Plate 2X8
Solar Array.....	Plate 1X6
Solar Array.....	Plate 1X6
Solar Array.....	Brick 2X2
Solar Array.....	Brick 2X2
Solar Array.....	Brick 2X2
Solar Array.....	Brick 2X4
Solar Array.....	Brick 1X1
Solar Array.....	Brick 1X1
Solar Array.....	Brick 1X1

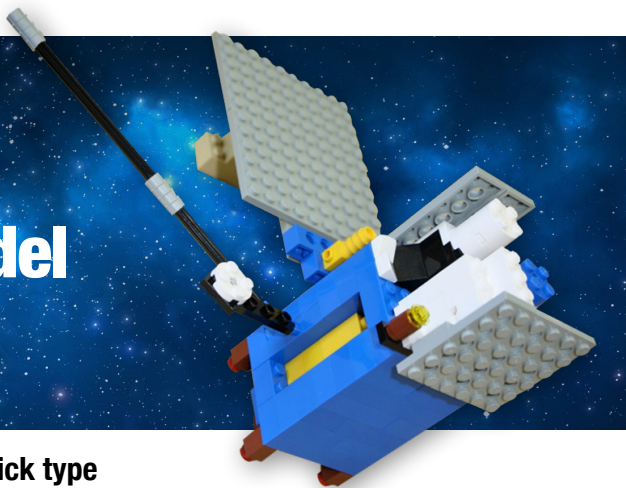
Solar Array.....	Plate 2X2 Inverted W. Snap
Solar Array.....	Technic Brick 1X2
Solar Array.....	Technic Brick 1X4
Solar Array.....	Technic Brick 1X6
Antenna Wing.....	Brick 1X2
Antenna Wing.....	Plate 2X4
Antenna Wing.....	Round Brick 1X1
Antenna Wing.....	Round Brick 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Thruster.....	Brick 1X1
Thruster.....	Round Plate 1X1
Thruster.....	Brick 1X1
Thruster.....	Round Plate 1X1
Thruster.....	Brick 1X1
Thruster.....	Round Plate 1X1
Thruster.....	Brick 1X1
Thruster.....	Round Plate 1X1
LAE.....	Brick Ø16 W. Cross
GRB Antenna.....	Plate 1X2
GRB Antenna.....	Round Brick 1X1
GRB Antenna.....	Round Plate 1X1
DCPR with SSIRU antenna ..	Plate 1X2
DCPR with SSIRU antenna ..	Round Brick 1X1
DCPR with SSIRU antenna ..	Round Plate 1X1
DCPR with SSIRU antenna ..	Plate 1X2
Star trackers.....	Roof Tile 1X1x2/3, Abs
Star trackers.....	Roof Tile 1X1x2/3, Abs
Mag Boom.....	Bush For Cross Axle
Mag Boom.....	Angle Element, 180 Degrees
Mag Boom.....	Angle Element, 0 Degrees
Mag Boom.....	Cross Axle 6M
Mag Boom.....	Cross Axle 8M

Buy specific bricks here if needed: <http://shop.lego.com/en-US/Pick-A-Brick-ByTheme>



Build Your Own GOES-R LEGO® Model

Part and Brick List



GOES-R LEGO® Parts – by brick type

Brick type

Mag Boom.....	Angle Element, 0 Degrees
Mag Boom.....	Angle Element, 180 Degrees
GLM.....	Angle Plate 1X2 / 2X2
ABI.....	Angle Plate 1X2 / 2X2
+Y Panel.....	Angular Brick 1X1
X-band Antenna.....	Bearing Plate 1X4, Double
+Y Panel.....	Brick 1X1
+Y Panel.....	Brick 1X1
ABI.....	Brick 1X1
Solar Array.....	Brick 1X1
Solar Array.....	Brick 1X1
Solar Array.....	Brick 1X1
Solar Array.....	Brick 1X1
Thruster.....	Brick 1X1
Thruster.....	Brick 1X1
Thruster.....	Brick 1X1
Thruster.....	Brick 1X1
+Y Panel.....	Brick 1X2
+Y Panel.....	Brick 1X2
+Y Panel.....	Brick 1X2
Propulsion Core.....	Brick 1X2
Propulsion Core.....	Brick 1X2
ABI.....	Brick 1X2
Antenna Wing.....	Brick 1X2
ABI.....	Brick 1X4
Earth Pointing Platform.....	Brick 1X6
+Y Panel.....	Brick 1X6
+Y Panel.....	Brick 2X2
Propulsion Core.....	Brick 2X2
SEISS Cabinet.....	Brick 2X2
GLM.....	Brick 2X2
Solar Array.....	Brick 2X2
Solar Array.....	Brick 2X2
Solar Array.....	Brick 2X2
+Y Panel.....	Brick 2X3
ABI.....	Brick 2X3
ABI.....	Brick 2X3
ABI.....	Brick 2X3

ABI.....	Brick 2X3
+Y Panel.....	Brick 2X4
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 2X4
Propulsion Core.....	Brick 2X4
ABI.....	Brick 2X4
Solar Array.....	Brick 2X4
Earth Pointing Platform.....	Brick 2X6
Earth Pointing Platform.....	Brick 2X6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
-Y Panel.....	Brick 2X6
+Y Panel.....	Brick 2X6
+Y Panel.....	Brick 2X6
+Y Panel.....	Brick 2X6
+Y Panel.....	Brick 2X6
Propulsion Core.....	Brick 2X6
GLM.....	Brick Ø16 W. Cross
GLM.....	Brick Ø16 W. Cross
ABI.....	Brick Ø16 W. Cross
LAE.....	Brick Ø16 W. Cross
Mag Boom.....	Bush For Cross Axle
Mag Boom.....	Cross Axle 6M
Mag Boom.....	Cross Axle 8M
ABI.....	Plate 1X1
ABI.....	Plate 1X1
GLM.....	Plate 1X2
GRB Antenna.....	Plate 1X2
DCPR with SSIRU antenna..	Plate 1X2
DCPR with SSIRU antenna..	Plate 1X2
Solar Array.....	Plate 1X6
Solar Array.....	Plate 1X6
X-band Antenna.....	Plate 2X2
Solar Array.....	Plate 2X2
Solar Array.....	Plate 2X2 Inverted W. Snap

X-band Antenna.....	Plate 2X2 Round
ABI.....	Plate 2X4
Antenna Wing.....	Plate 2X4
GLM.....	Plate 2X6
GLM.....	Plate 2X6
ABI.....	Plate 2X6
ABI.....	Plate 2X6
ABI.....	Plate 2X6
ABI.....	Plate 2X6
Solar Array.....	Plate 2X8
Solar Array.....	Plate 2X8
Solar Array.....	Plate 6X10
Solar Array.....	Plate 6X10
Solar Array.....	Plate 6X10
Star trackers.....	Roof Tile 1X1x2/3, Abs
Star trackers.....	Roof Tile 1X1x2/3, Abs
SEISS Cabinet.....	Roof Tile 2X2
GLM.....	Roof Tile 2X2
GLM.....	Roof Tile 2X2
Antenna Wing.....	Round Brick 1X1
Antenna Wing.....	Round Brick 1X1
GRB Antenna.....	Round Brick 1X1
DCPR with SSIRU antenna..	Round Brick 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Antenna Wing.....	Round Plate 1X1
Thruster.....	Round Plate 1X1
Thruster.....	Round Plate 1X1
Thruster.....	Round Plate 1X1
Thruster.....	Round Plate 1X1
GRB Antenna.....	Round Plate 1X1
DCPR with SSIRU antenna..	Round Plate 1X1
+Y Panel.....	Technic Brick 1x2
Solar Array.....	Technic Brick 1X2
Solar Array.....	Technic Brick 1X4
Earth Pointing Platform.....	Technic Brick 1x6
Solar Array.....	Technic Brick 1X6

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