

The US
Technical
Manual for
Legos (English
Version)

February 9

2009

This manual contains detailed instructions, descriptions and explanations of what Lego's are and how to safely handle them. Only suitable for Lego's made in the US.

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Figure 1

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Chapter 1

Although many Lego pieces look very different from each other they all work in the same general way. Lego's can be connected by pushing the bumpy parts, which are located on the top, (the male end) into the holes, which are located on the bottom, (the female end) of other Lego pieces. These are the basic instructions for all Lego pieces; however, why people build with Lego's varies from each individual builder to the next.

On the surface it appears that Lego's are only used to make different detailed models, which come with instructions on how to build them. However, on a deeper level, Lego's are capable of being built into any shape or design which allows the builder to express their creativity in a very constructive process.



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Figure 3

Chapter 2

To help those new to the world of Lego's, we have provided readers of this manual with detailed instructions to create a very simple model. The following are instructions to build a Lego model of a T.I.E. Interceptor from the movie series Star Wars.

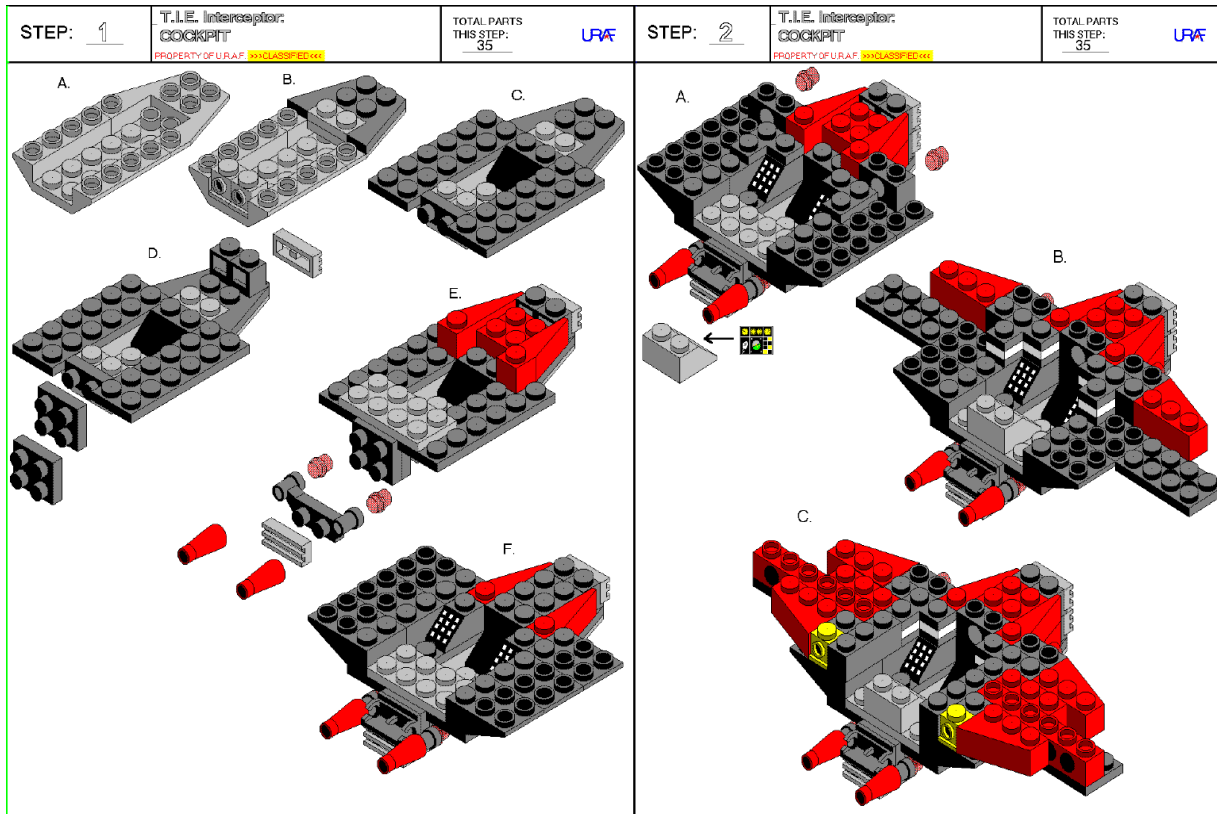


Figure 4

Figure 5

STEP: 3	T.I.E. Interceptor: COCKPIT <small>PROPERTY OF U.R.A.F. >>>CLASSIFIED<<<</small>	TOTAL PARTS THIS STEP: 18	U.R.F.
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Figure 6

STEP: 4	T.I.E. Interceptor: COCKPIT <small>PROPERTY OF U.R.A.F. >>>CLASSIFIED<<<</small>	TOTAL PARTS THIS STEP: 18	U.R.F.
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Figure 7

STEP: 5	T.I.E. Interceptor: LEFT SOLAR PANEL ASSEMBLY <small>PROPERTY OF U.R.A.F. >>>CLASSIFIED<<<</small>	TOTAL PARTS THIS STEP: 15	U.R.F.
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Remove these 2 pieces to attach completed solar panel

#6 Axle

#4 Axle

Figure 8

STEP: 6	T.I.E. Interceptor: LEFT SOLAR PANEL ASSEMBLY <small>PROPERTY OF U.R.A.F. >>>CLASSIFIED<<<</small>	TOTAL PARTS THIS STEP: 18	U.R.F.
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* NOTE: For simplicity in drawing, these parts are shown in a vertical arrangement. They should actually be "canted" inward (toward the cockpit) to achieve the angles necessary for the TIE Interceptor design.

#10 Axle

#10 Axle

Figure 9

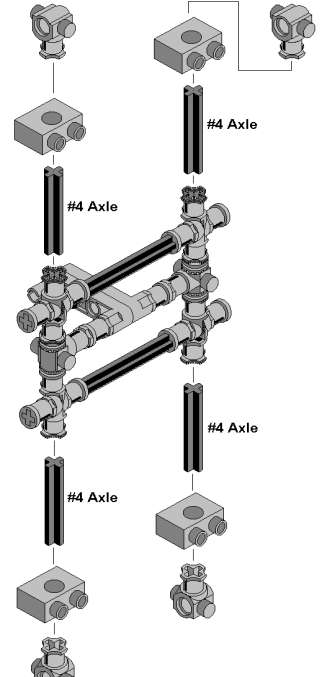
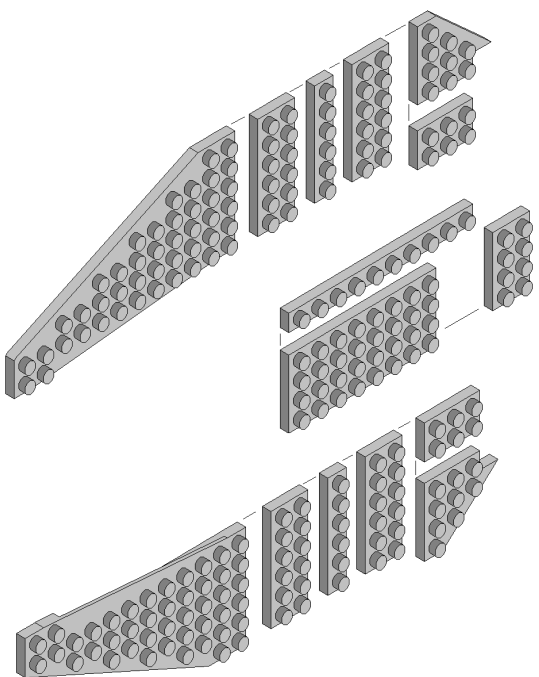
STEP: <u>7</u>	T.I.E. Interceptor: LEFT SOLAR PANEL ASSEMBLY <small>PROPERTY OF U.R.A.F. [REDACTED]</small>	TOTAL PARTS THIS STEP: <u>12</u> <small>U.R.F.</small>	STEP: <u>8</u>	T.I.E. Interceptor: LEFT SOLAR PANEL ASSEMBLY <small>PROPERTY OF U.R.A.F. [REDACTED]</small>	TOTAL PARTS THIS STEP: <u>15</u> <small>U.R.F.</small>
					

Figure 10

Figure 11

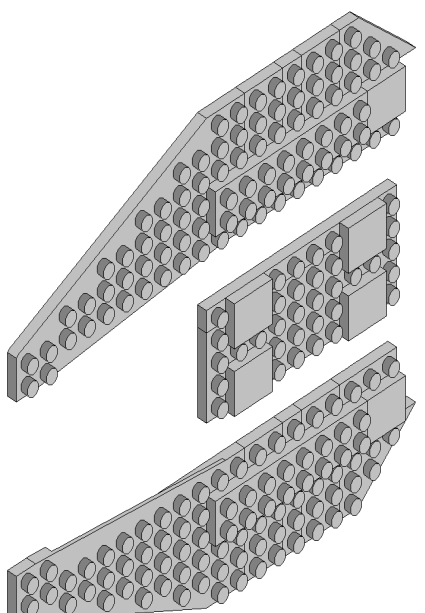
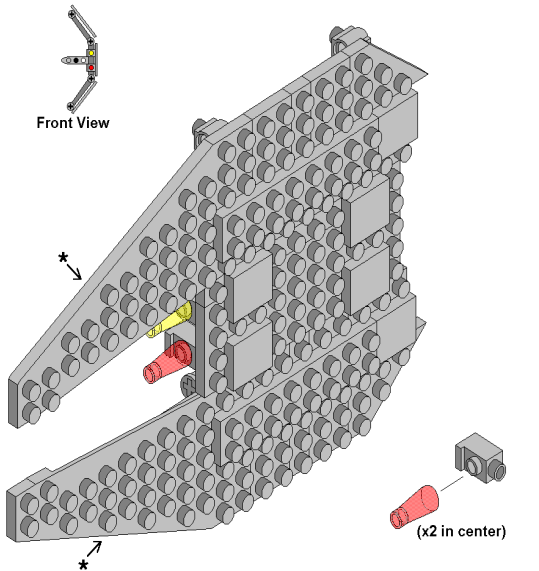
STEP: <u>9</u>	T.I.E. Interceptor: LEFT SOLAR PANEL ASSEMBLY <small>PROPERTY OF U.R.A.F. [REDACTED]</small>	TOTAL PARTS THIS STEP: <u>8</u> <small>U.R.F.</small>	STEP: <u>10</u>	T.I.E. Interceptor: LEFT SOLAR PANEL ASSEMBLY <small>PROPERTY OF U.R.A.F. [REDACTED]</small>	TOTAL PARTS THIS STEP: <u>4</u> <small>U.R.F.</small>
			<p>* NOTE: For simplicity in drawing, these parts are shown in a vertical arrangement. They should actually be "canted" inward (toward the cockpit) to achieve the angles necessary for the TIE Interceptor design.</p>  <p>Repeat from Step 5 for Right Solar Panel Assembly</p>		

Figure 12

Figure 13

Chapter 3

Lego's can potentially be fatal to infants and small children if swallowed; this is due to the small size of many Lego pieces.



Figure 14

It is important to know the proper procedures in case a small child or an infant accidentally swallows any Lego pieces. If an infant begins to choke on a Lego piece follow these simple instructions:

Place the infant stomach-down across your forearm and give five quick, forceful blows on the infant's back with heel of your hand



Figure 15

Place two fingers in the middle of the infant's breastbone and give five quick downward thrusts



ADAM.

Figure 16

Remove the object with your finger **ONLY if you can see it**



ADAM.

Figure 17

If a small child begins to choke and the child is conscious follow these instructions:



ADAM.

Figure 18

Although it is less likely, these are instructions on what should be done if an adult begins to choke on a Lego piece:

Heimlich Maneuver



1. Lean the person forward slightly and stand behind him or her.



2. Make a fist with one hand.



3. Put your arms around the person and grasp your fist with your other hand near the top of the stomach, just below the center of the rib cage.



4. Make a quick, hard movement, inward and upward.

Figure 19

Chapter 4

Lego's are used by millions of people everyday all around the world; they are used to teach young children, be a fun activity for people of all ages, build unique and interesting models, and dozens of other capacities. Just playing with Lego's can be an inspiring and creative activity that members of the entire family can enjoy.

You can find Lego's in just about any store that sells children's toys, some include; Toys R Us, KB Toys, Wal-Mart, and many others. Furthermore you can even find many online stores that carry them, such as; Amazon.com, eLearningtoys.com, Gamestop.com, and hundreds of others. If you would like to learn more about Lego's visit their homepage at www.lego.com where there is even more information and it is also another great source on where to purchase more Lego's.



Figure 20

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