

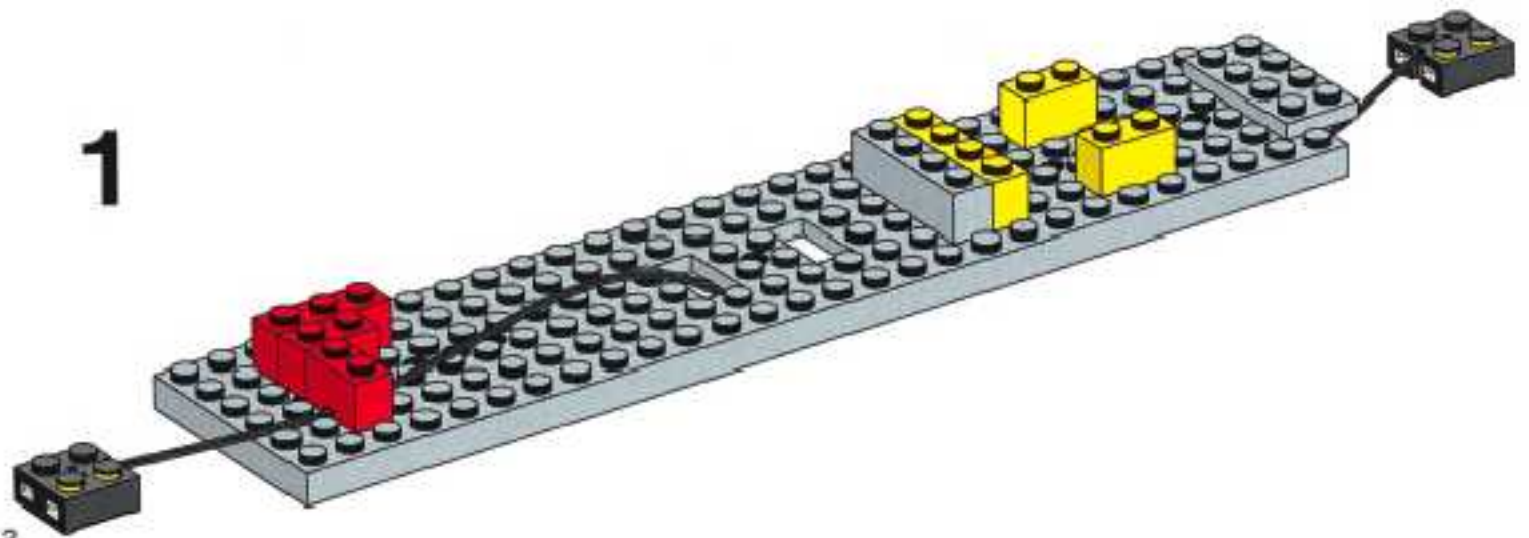
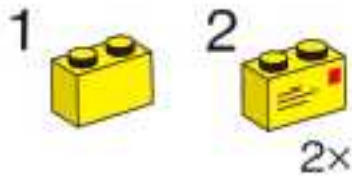
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10001

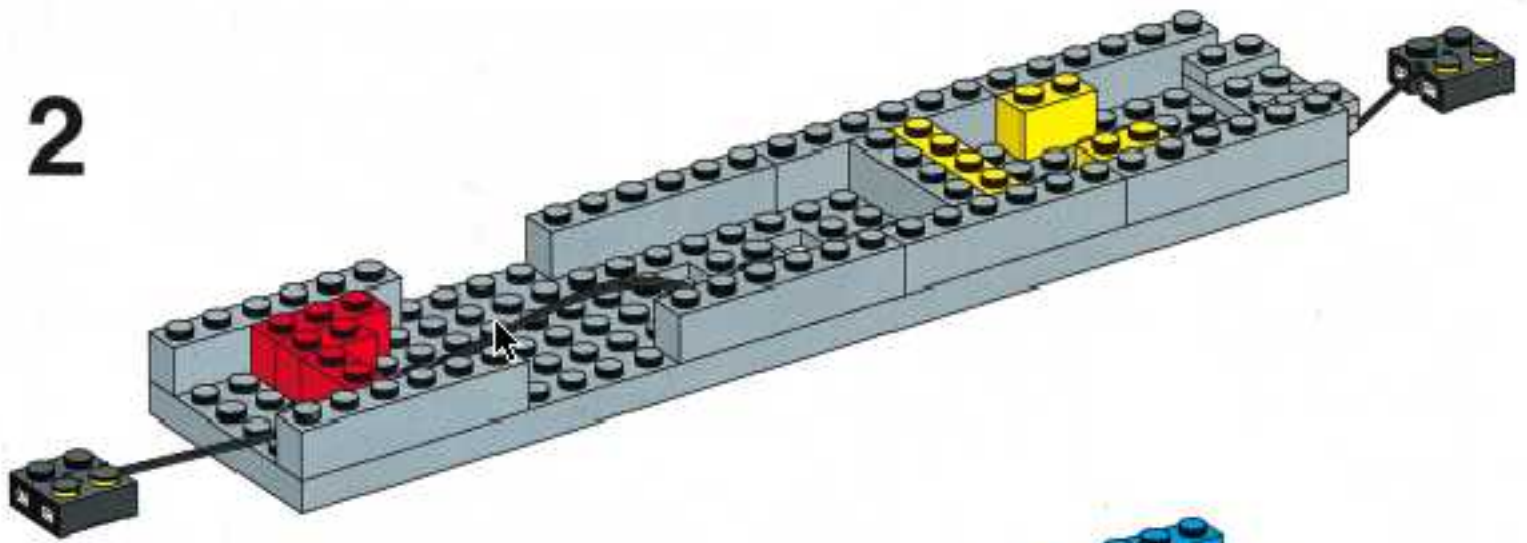
Electric

9V

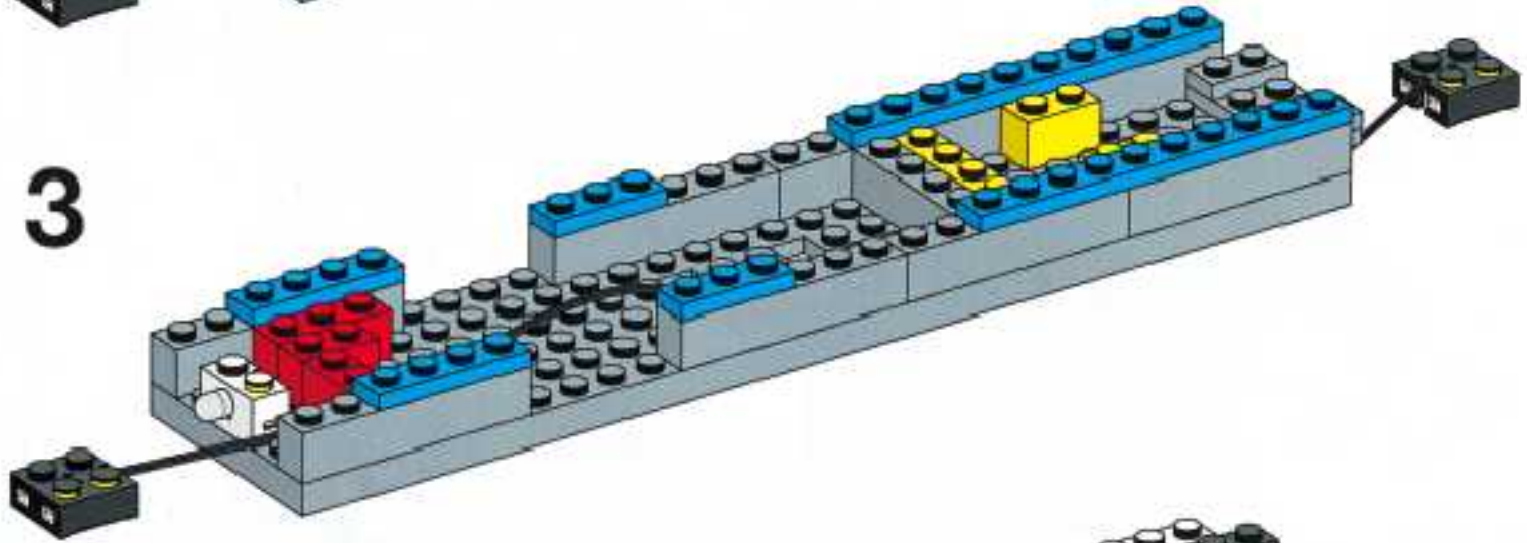




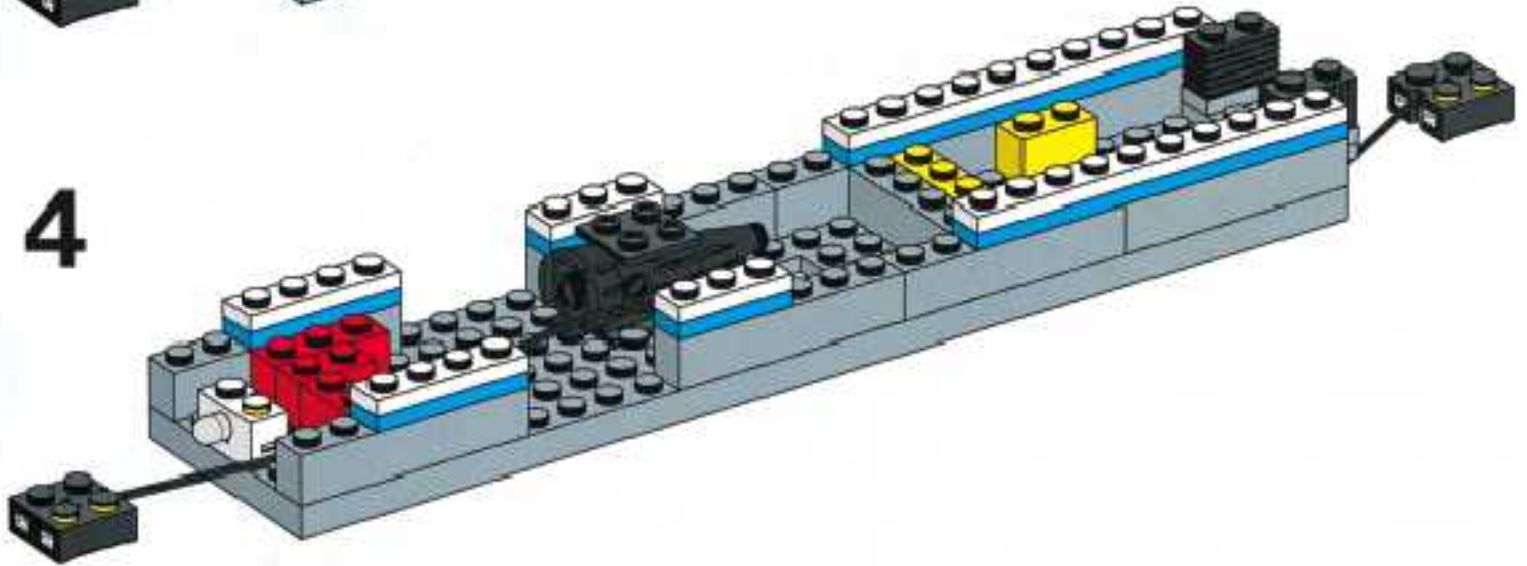
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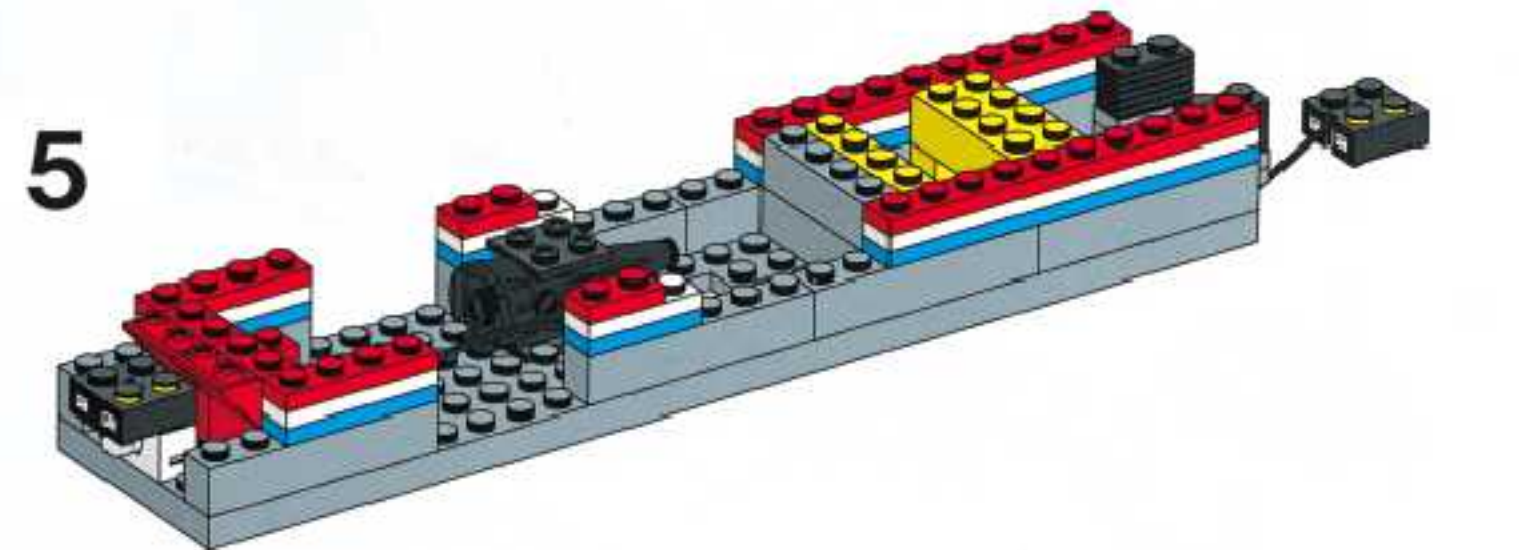
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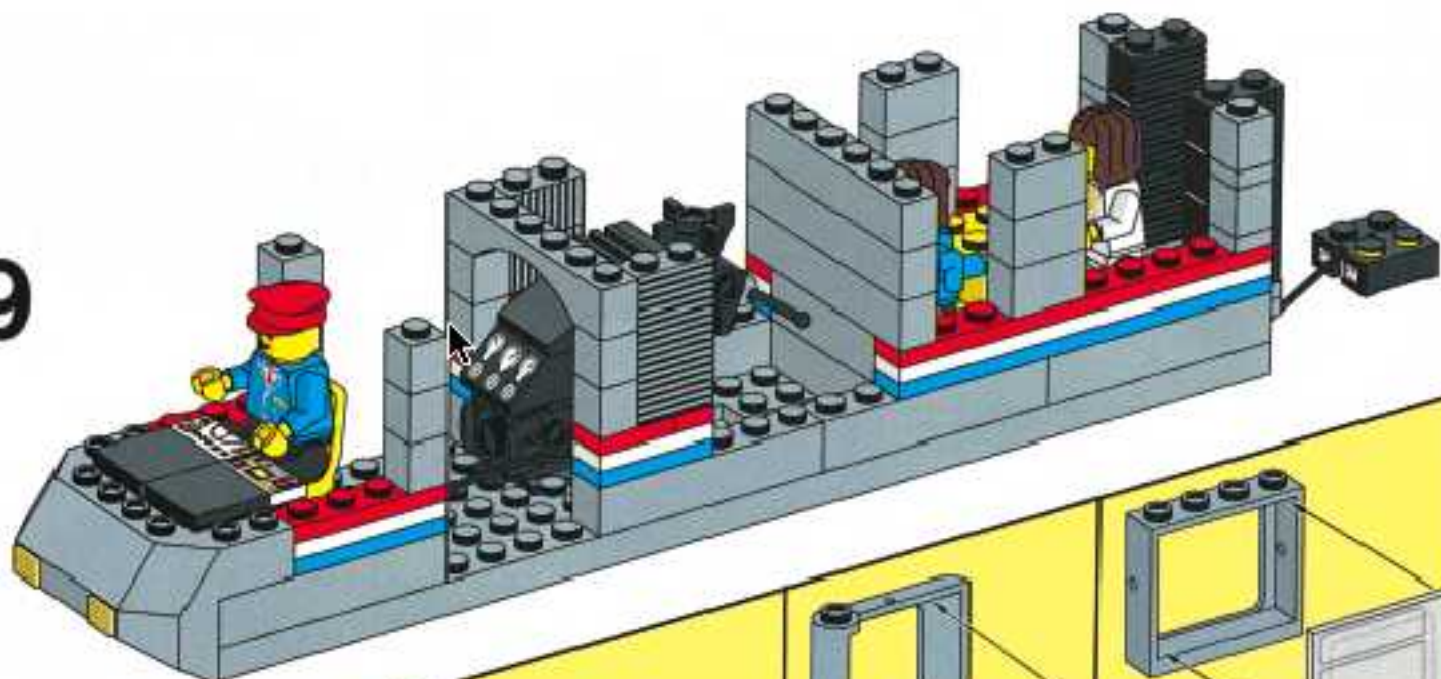
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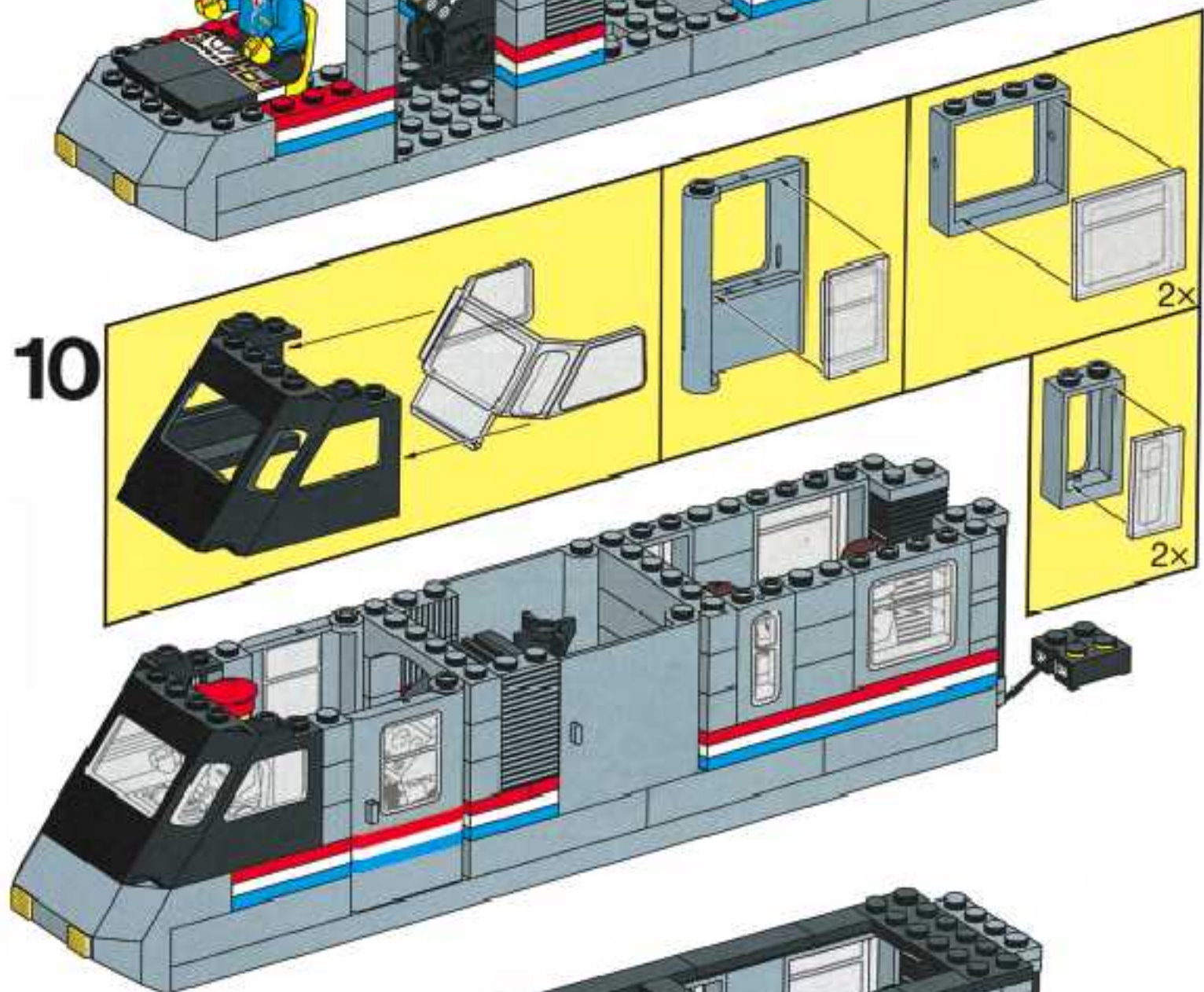
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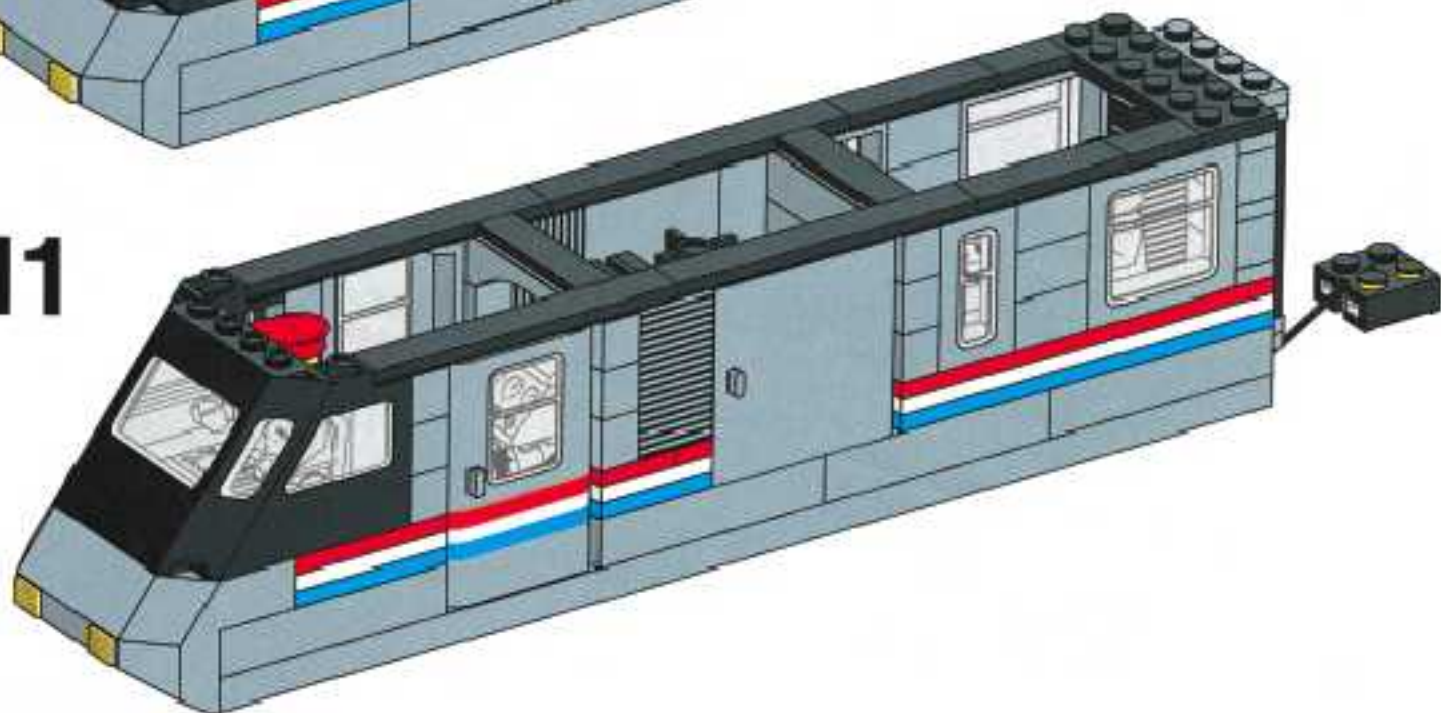
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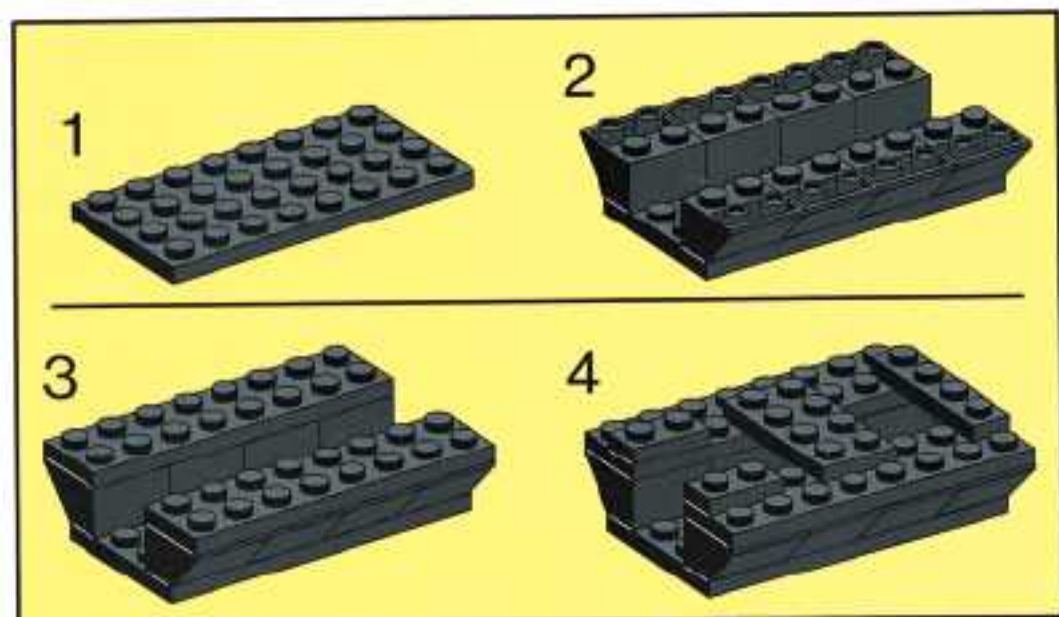
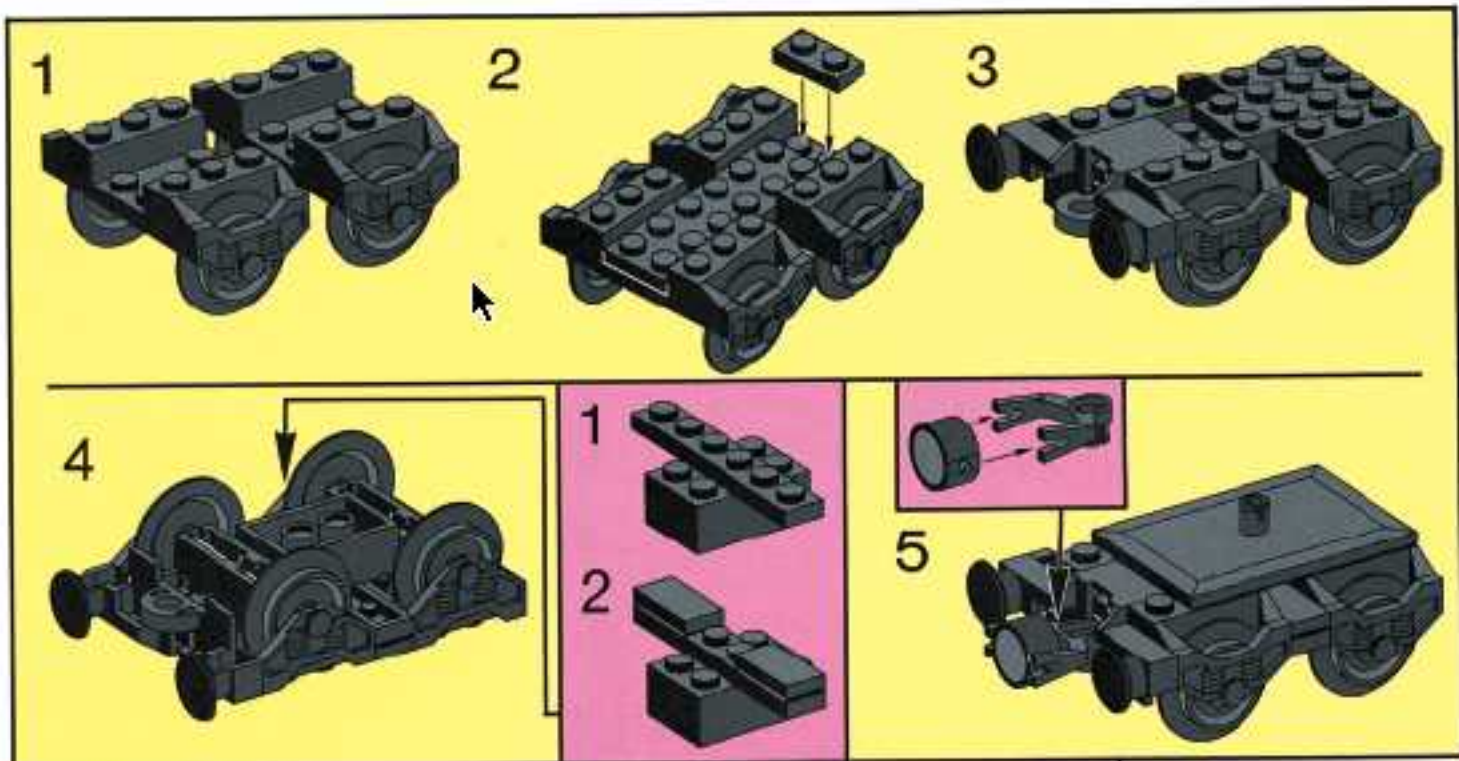


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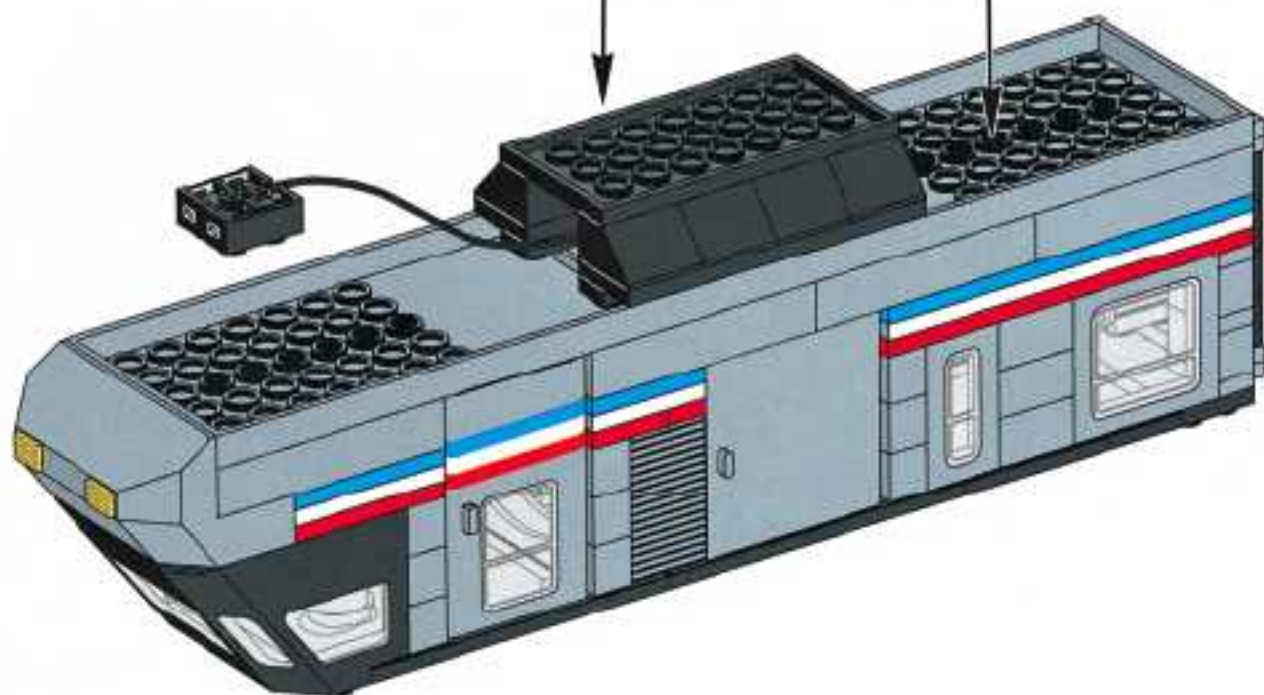


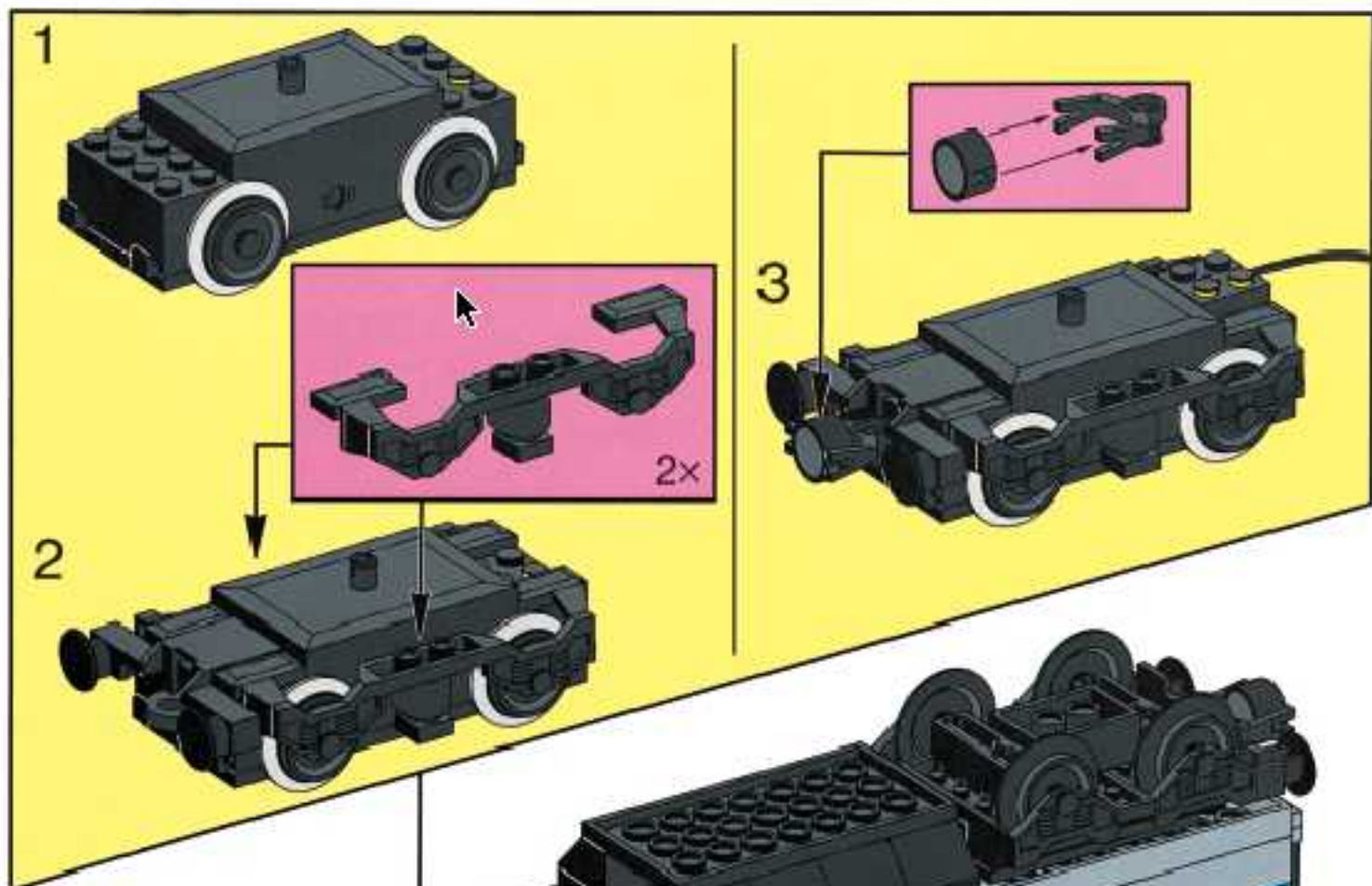
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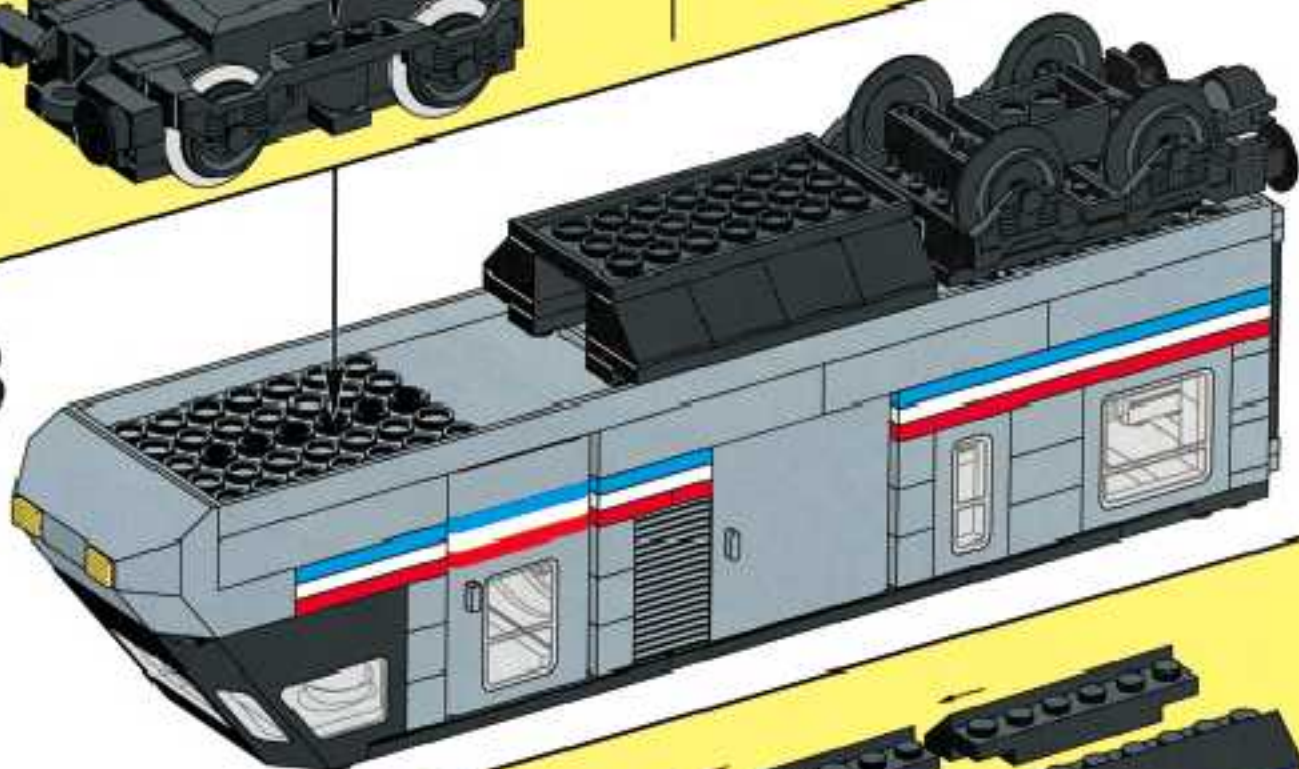


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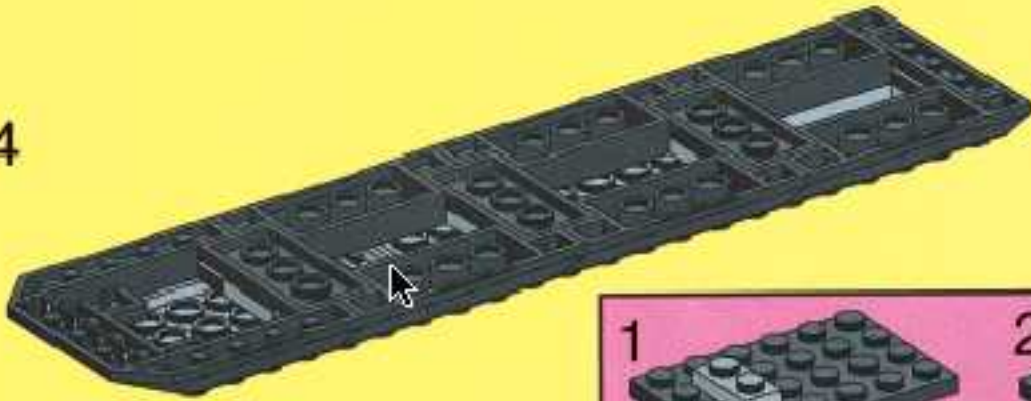




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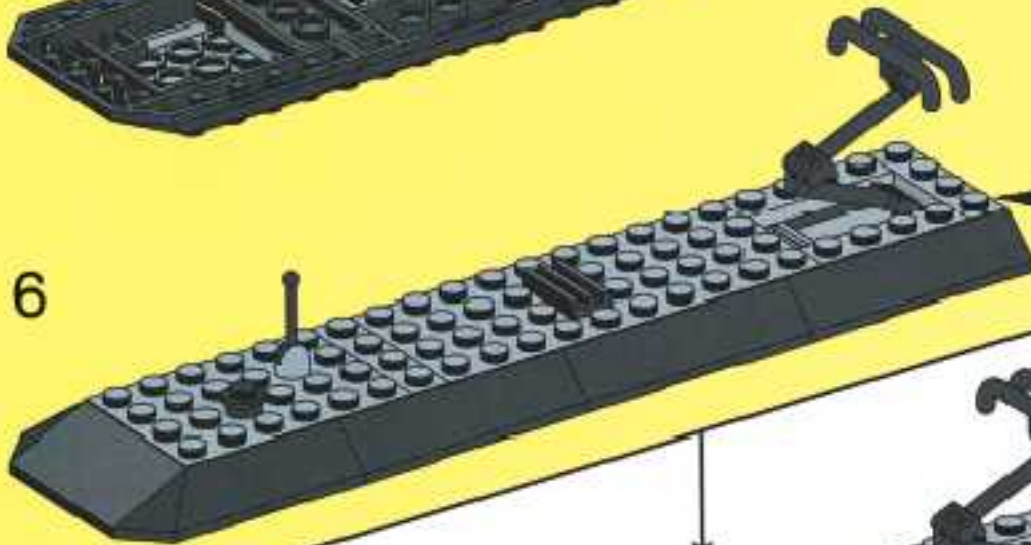
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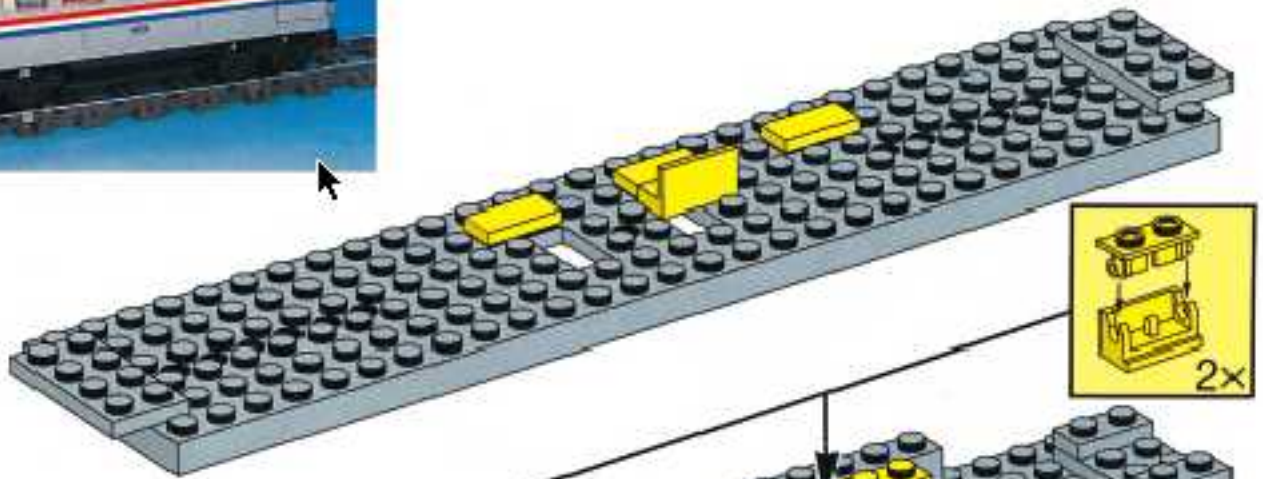


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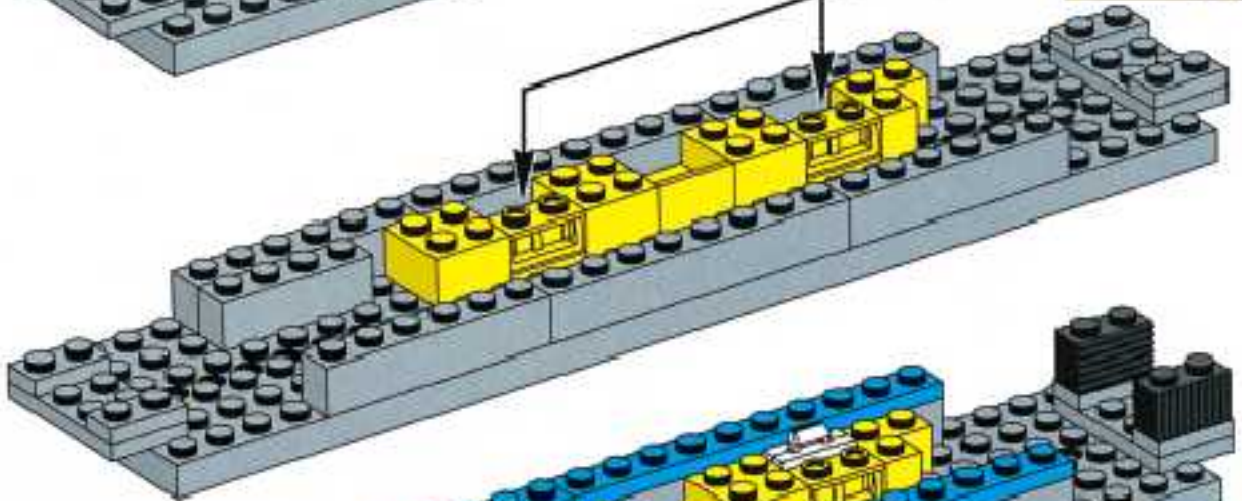




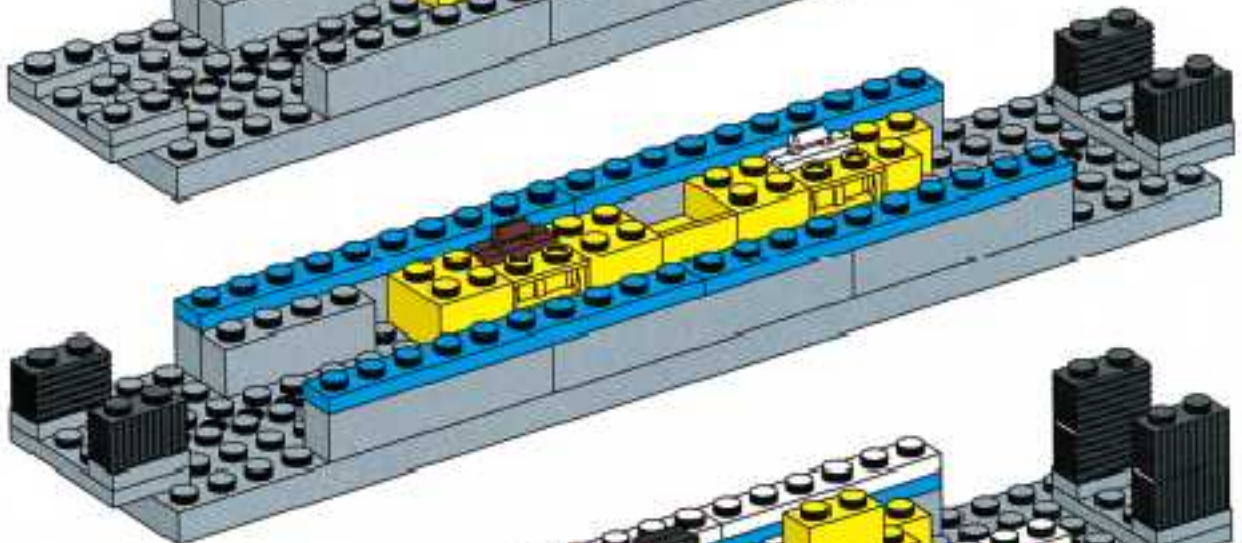
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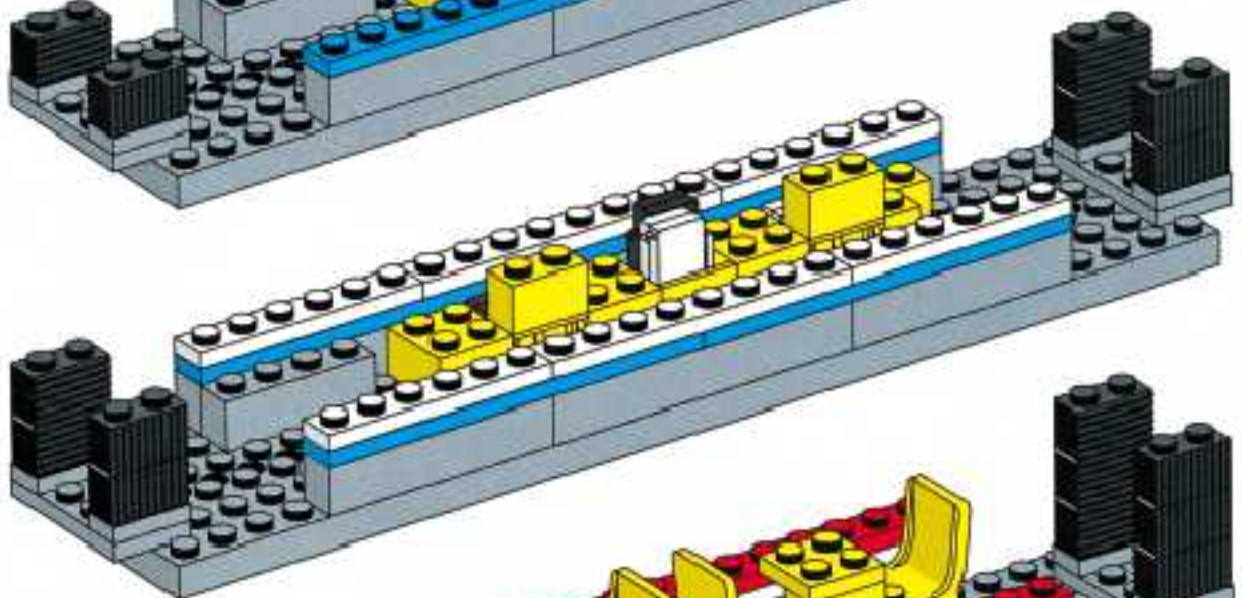
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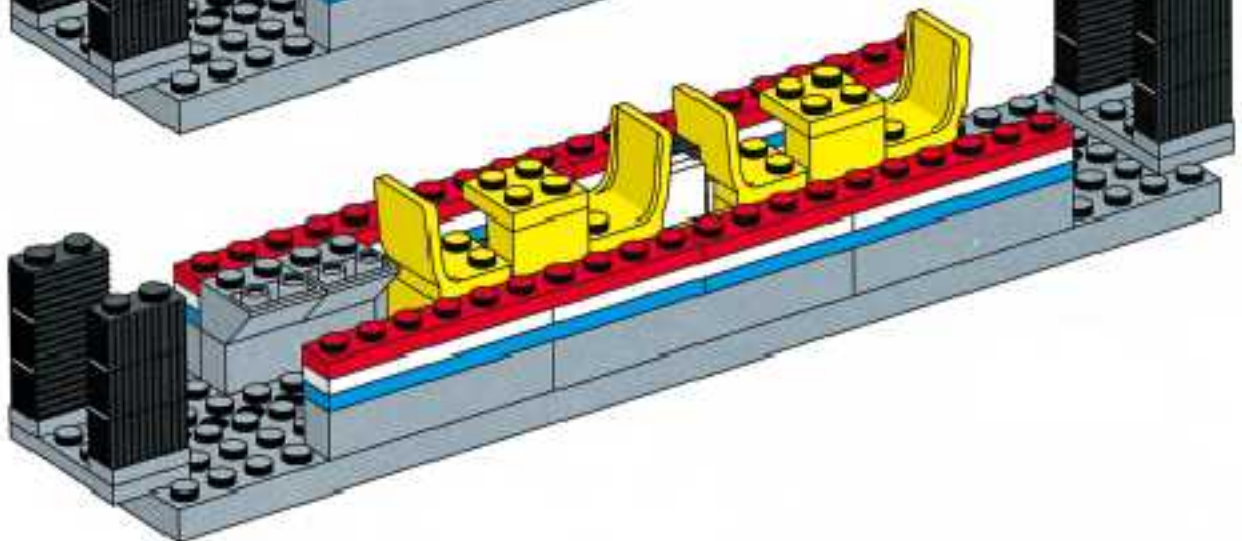
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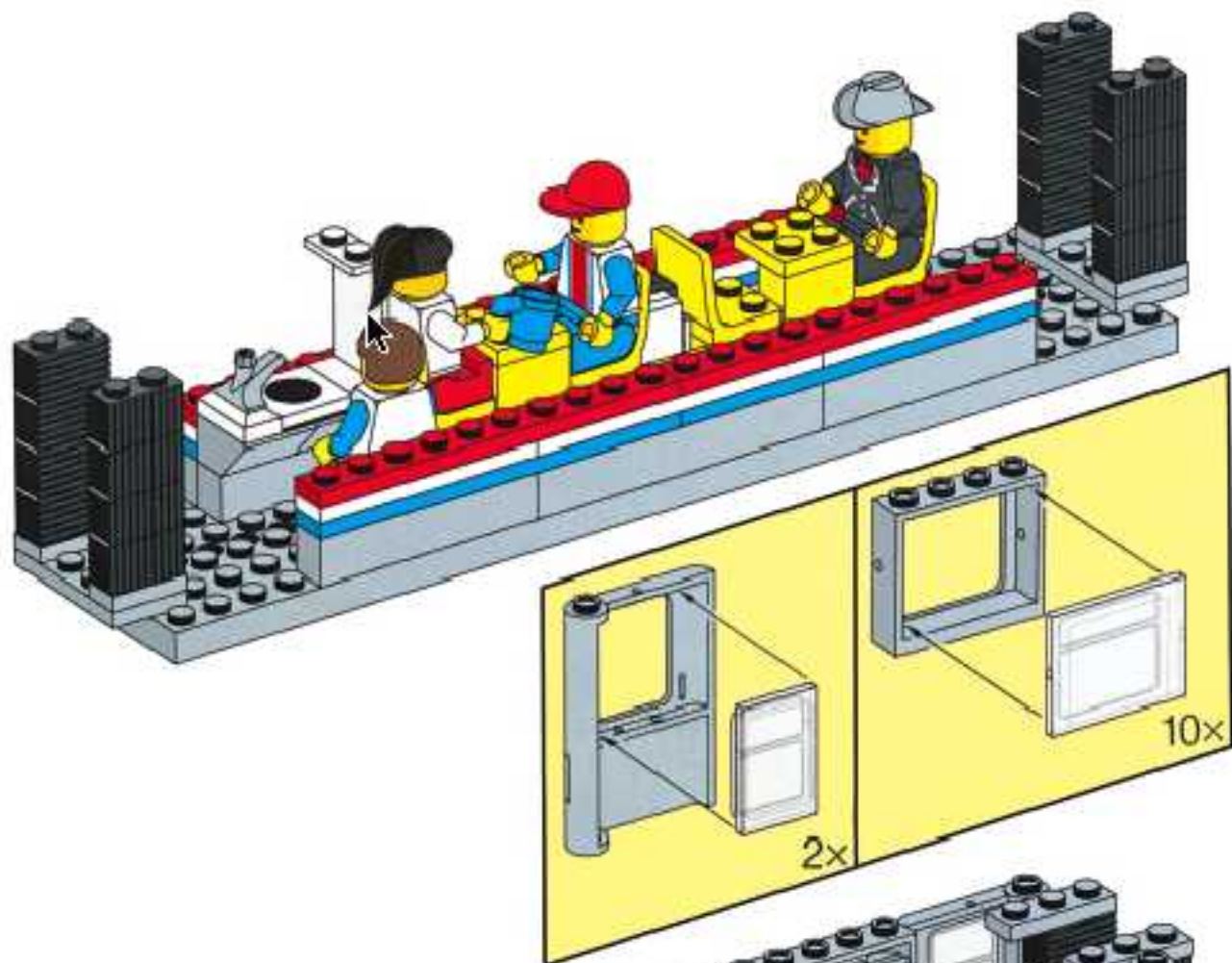
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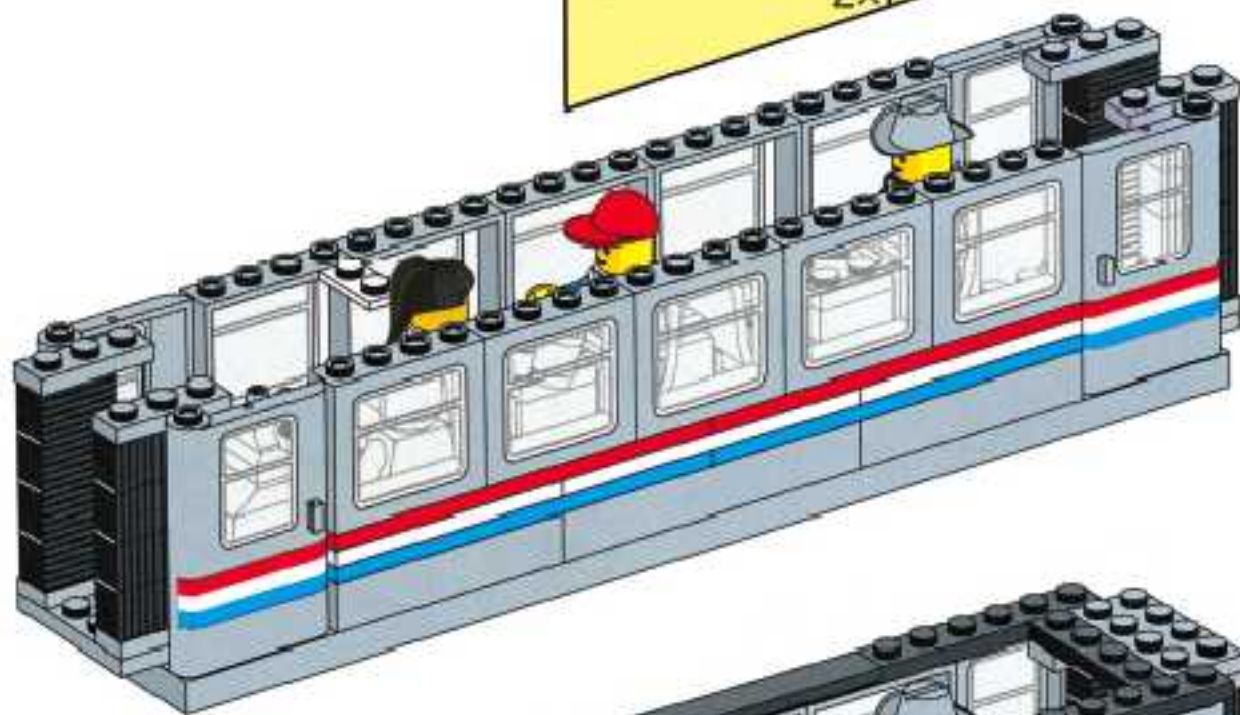
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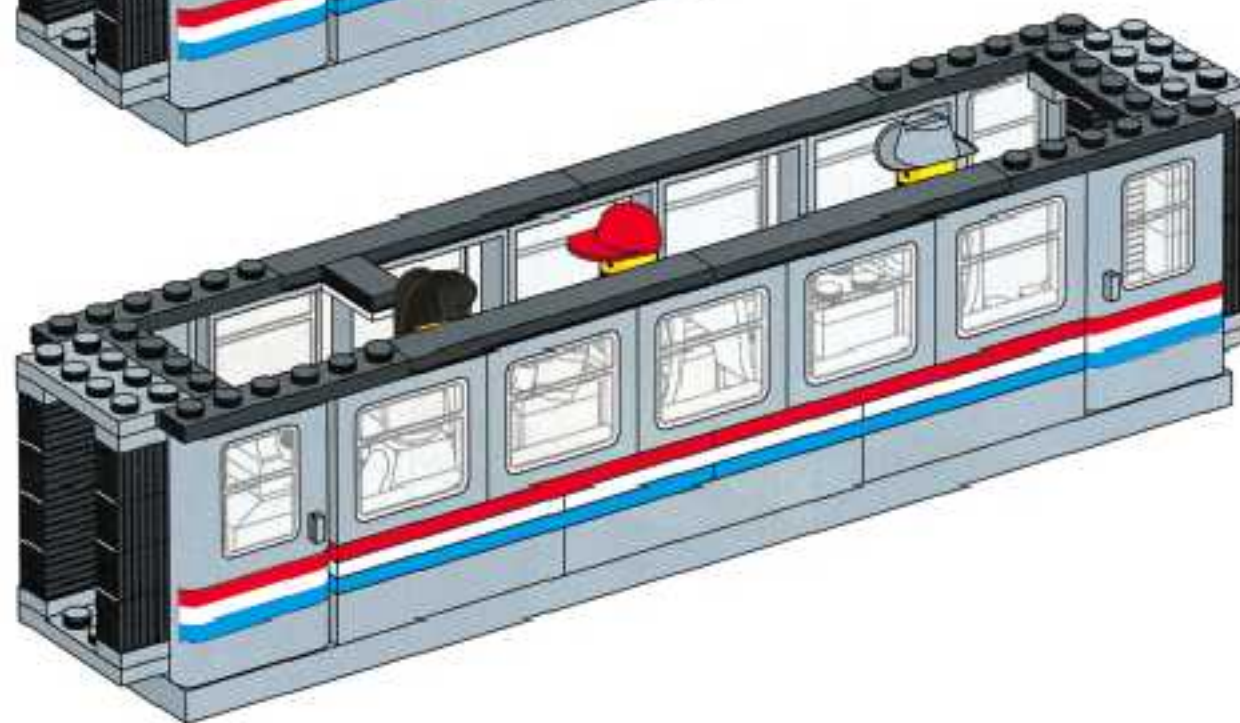
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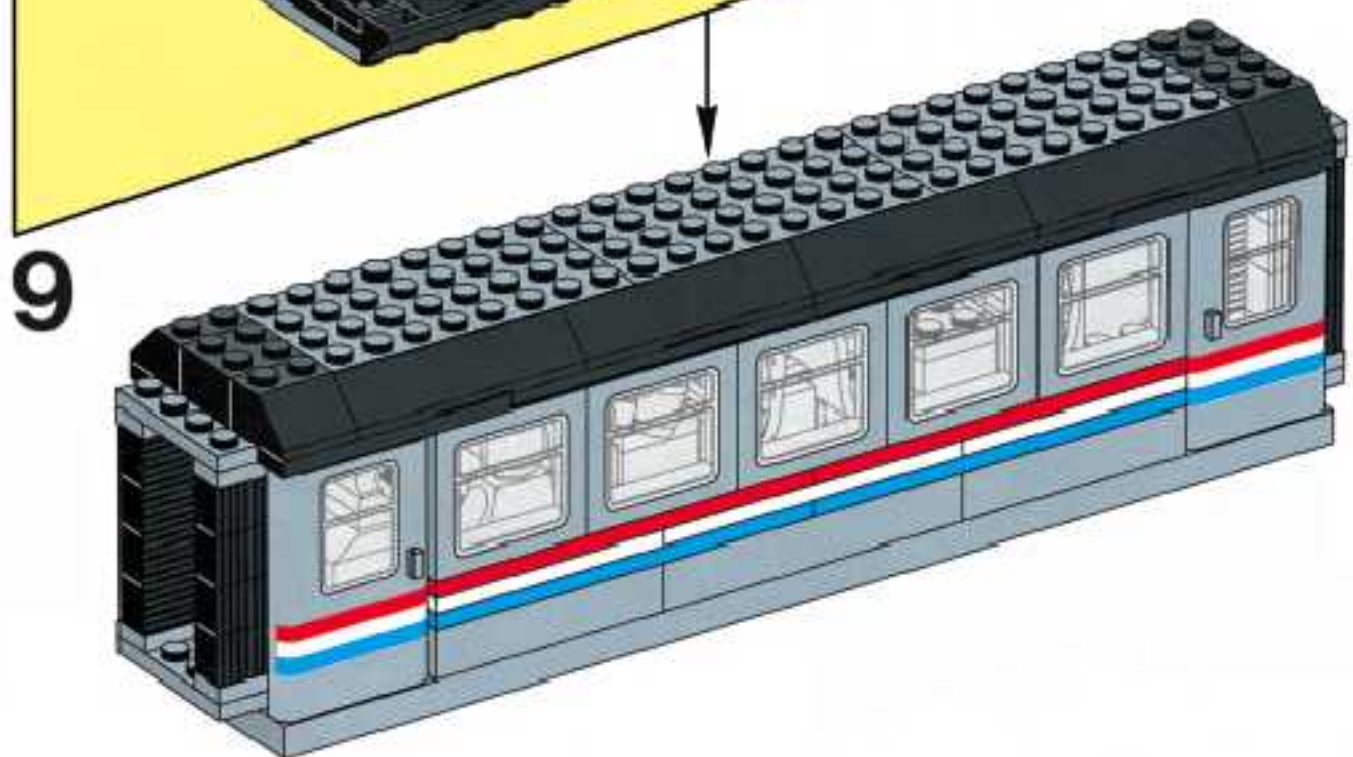
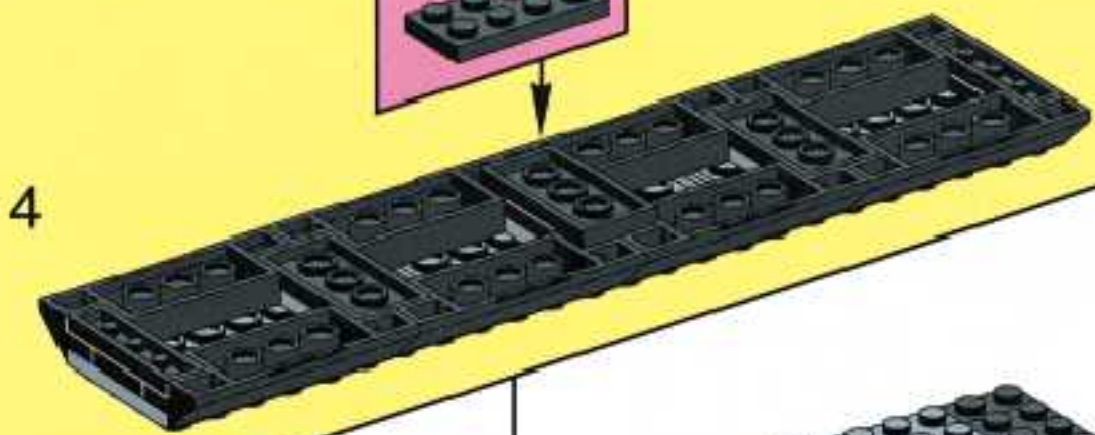
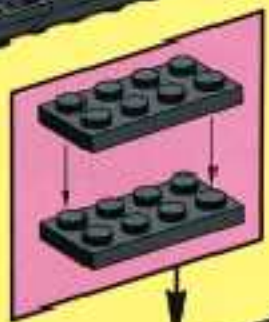
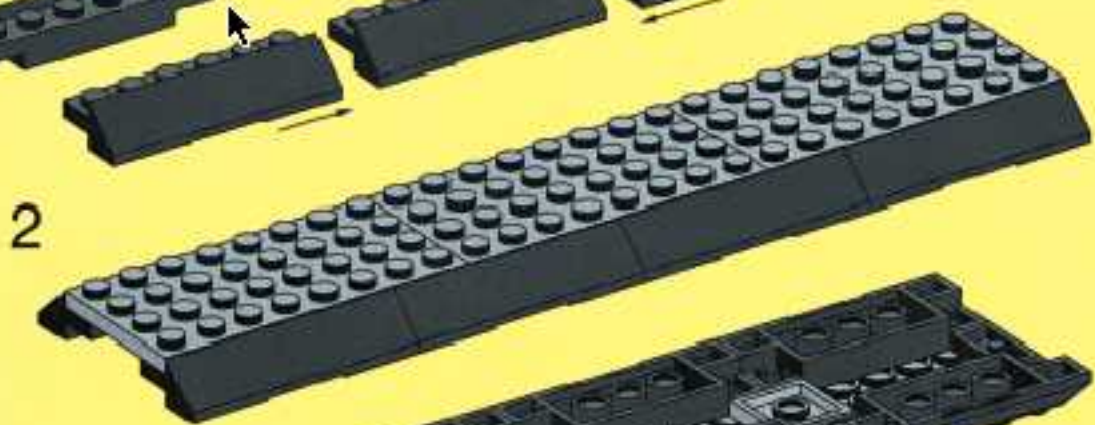
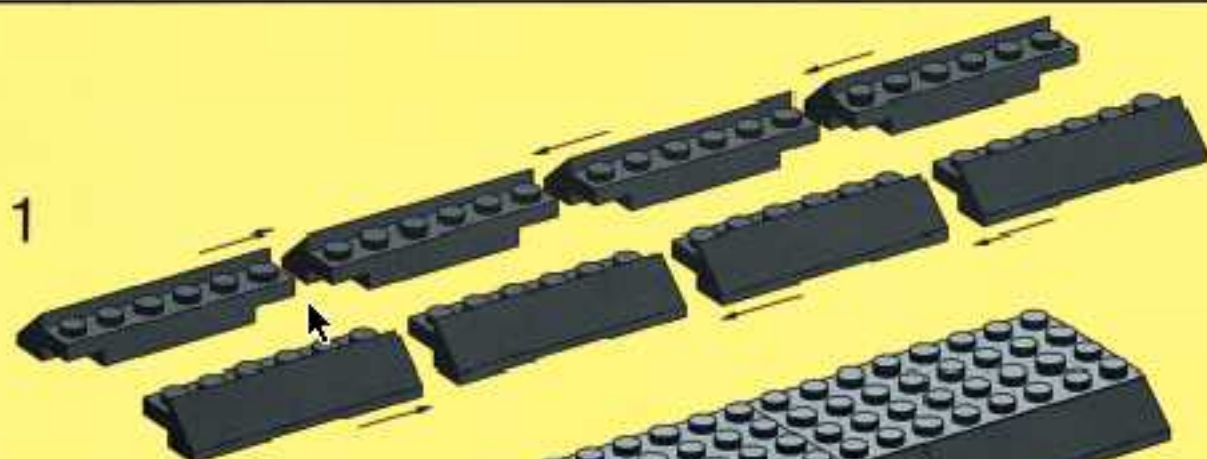


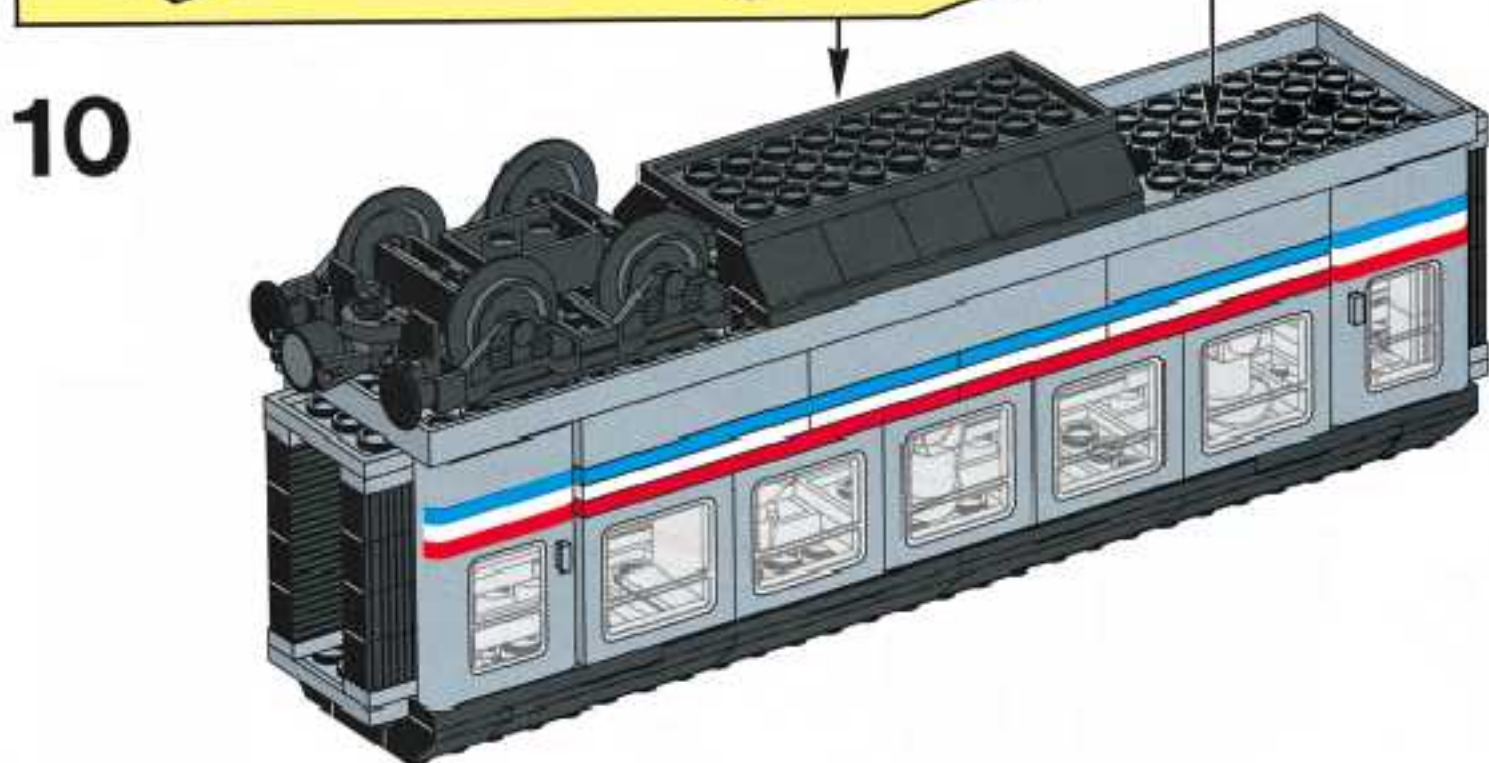
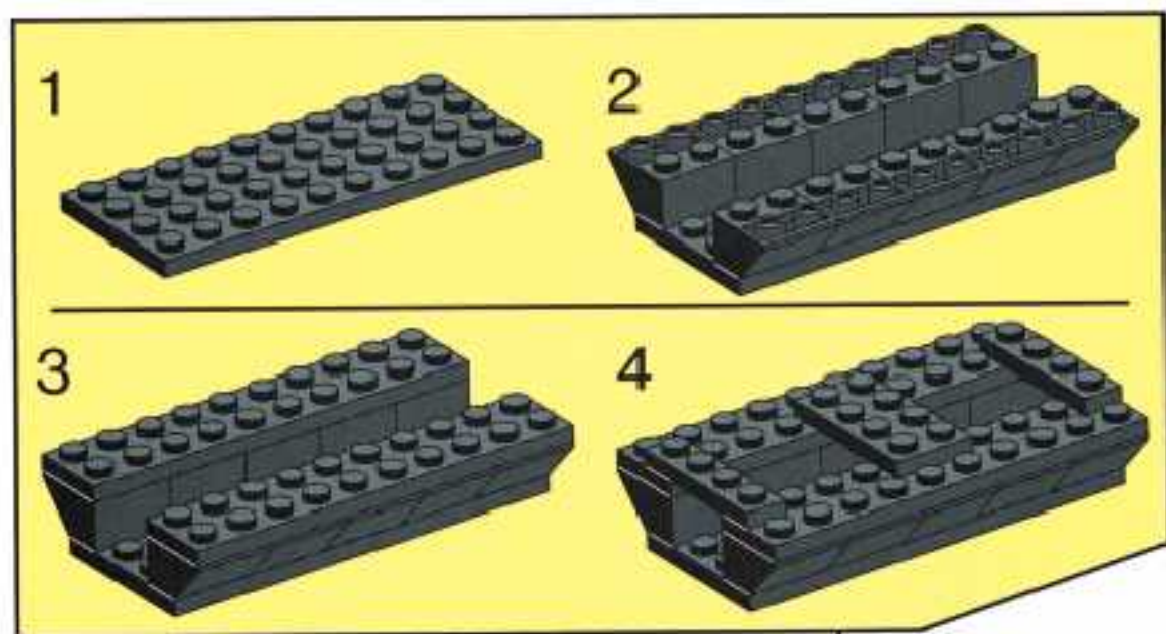
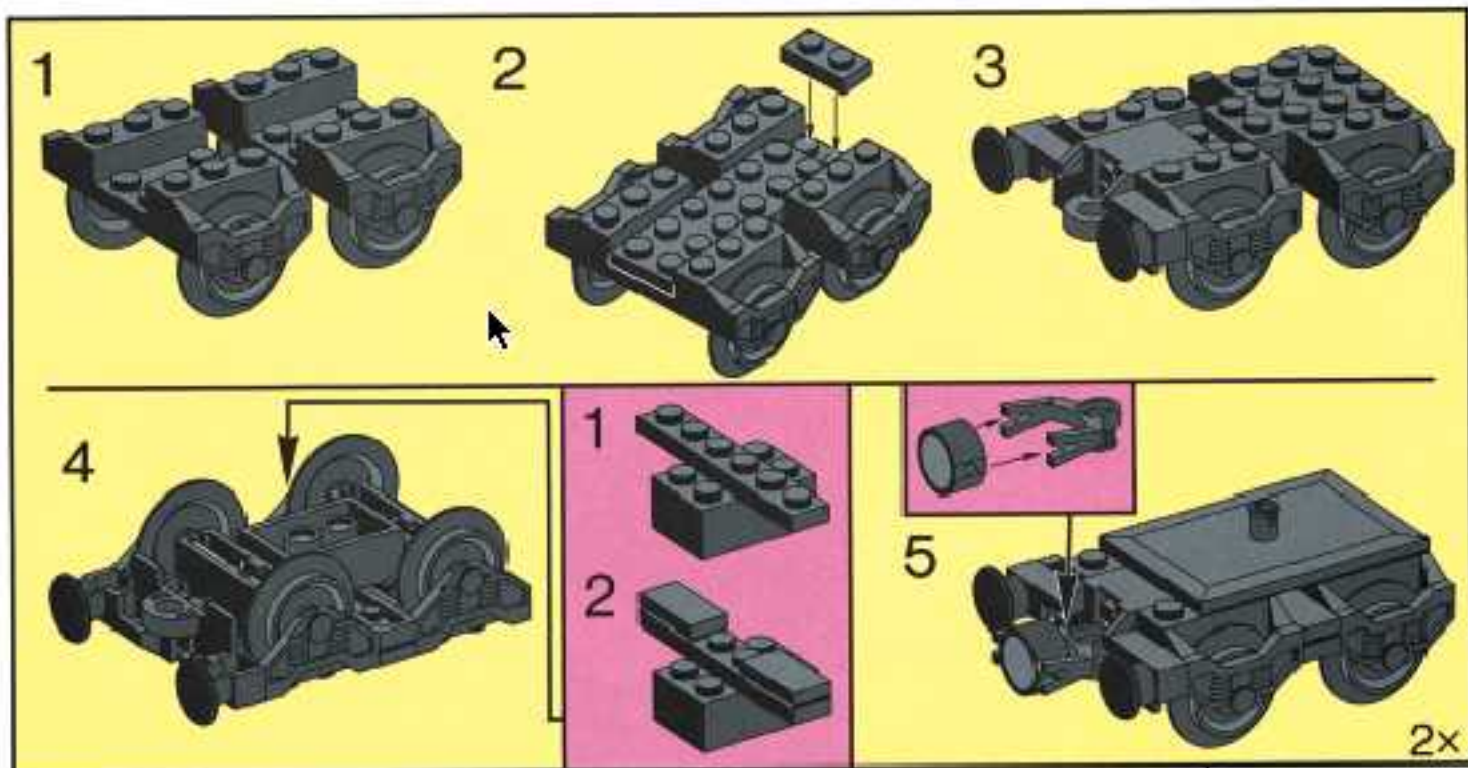
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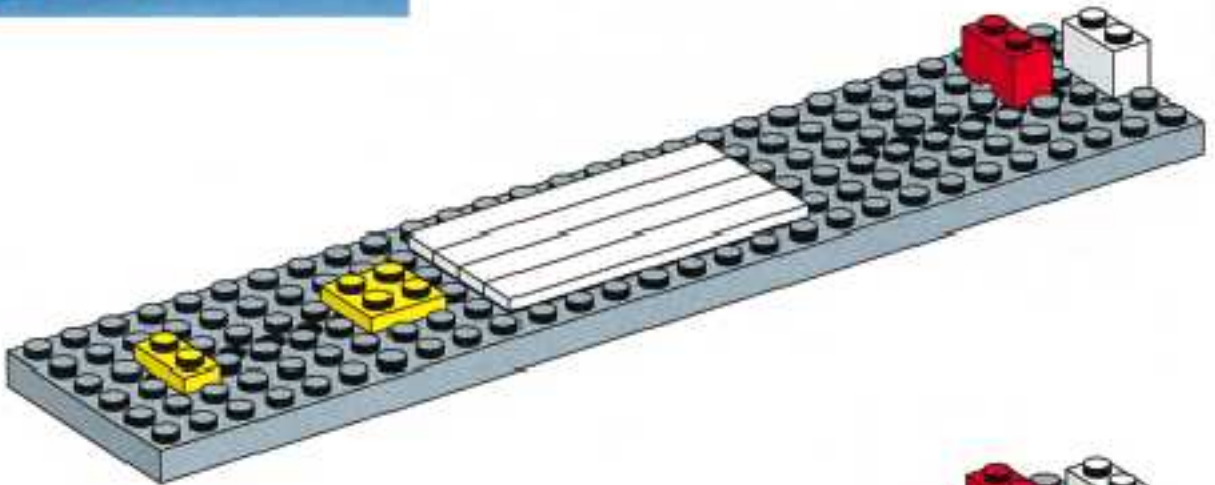




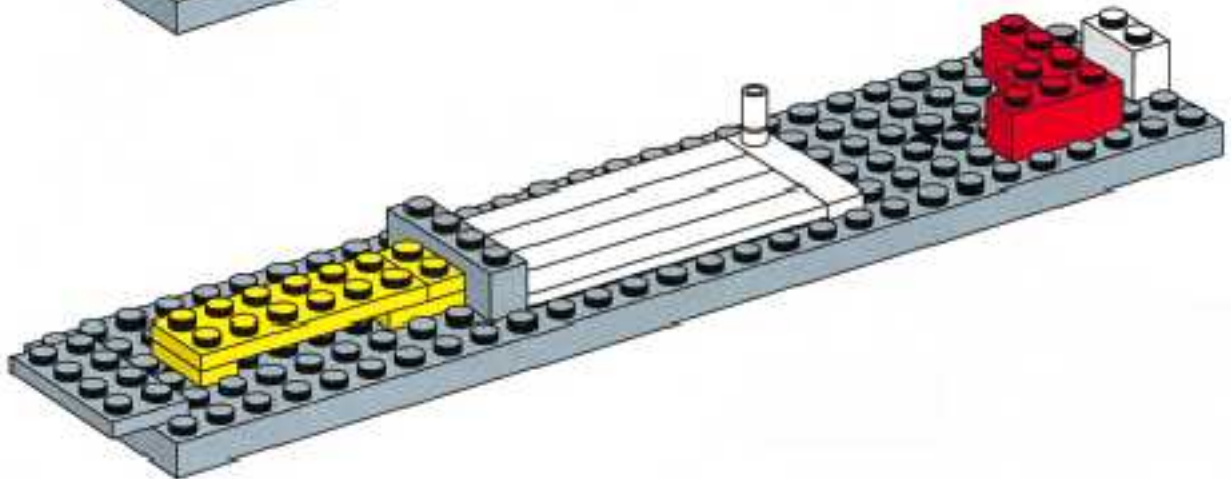
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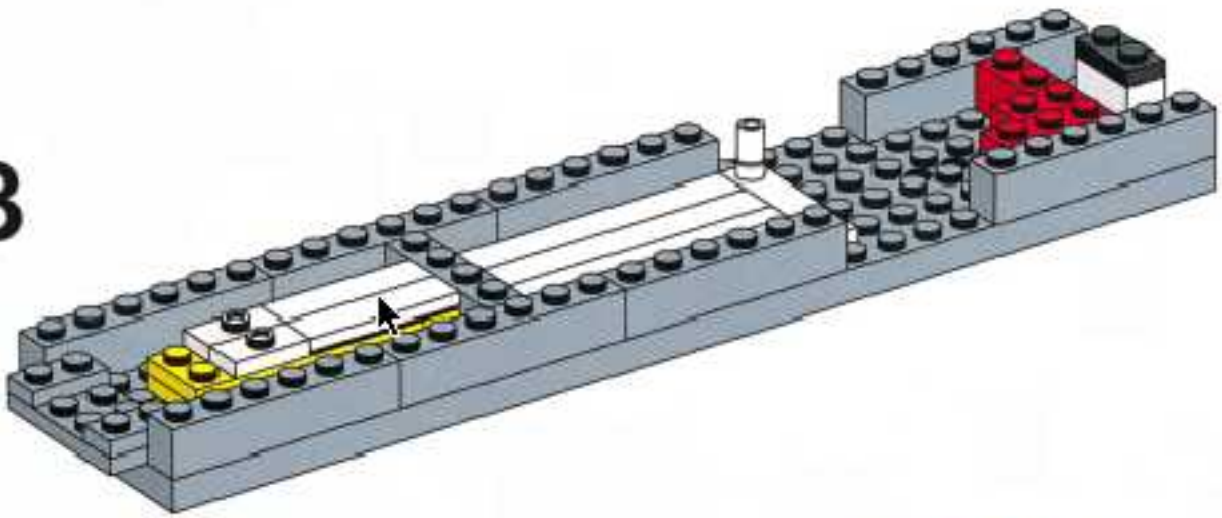
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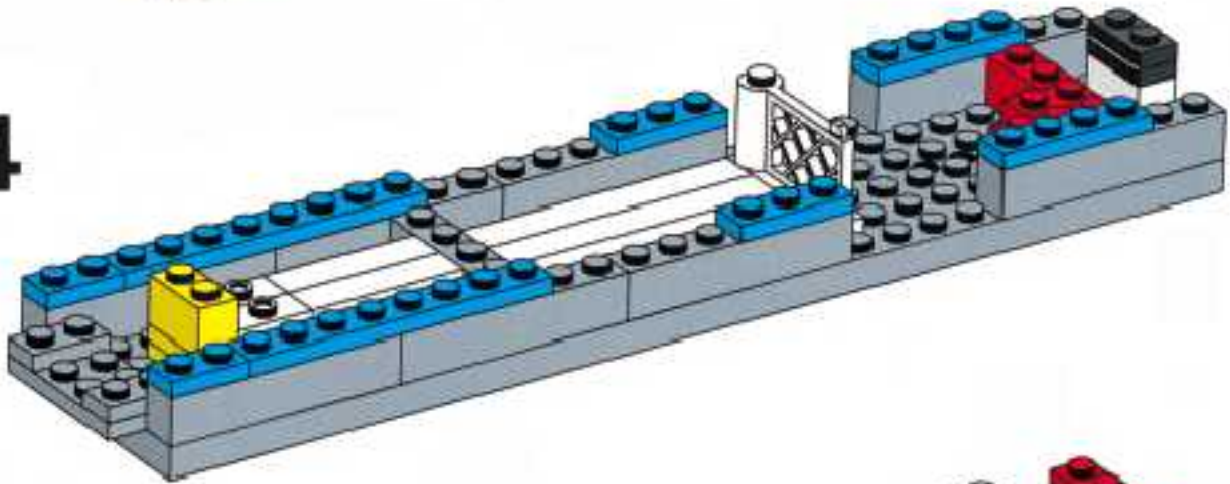
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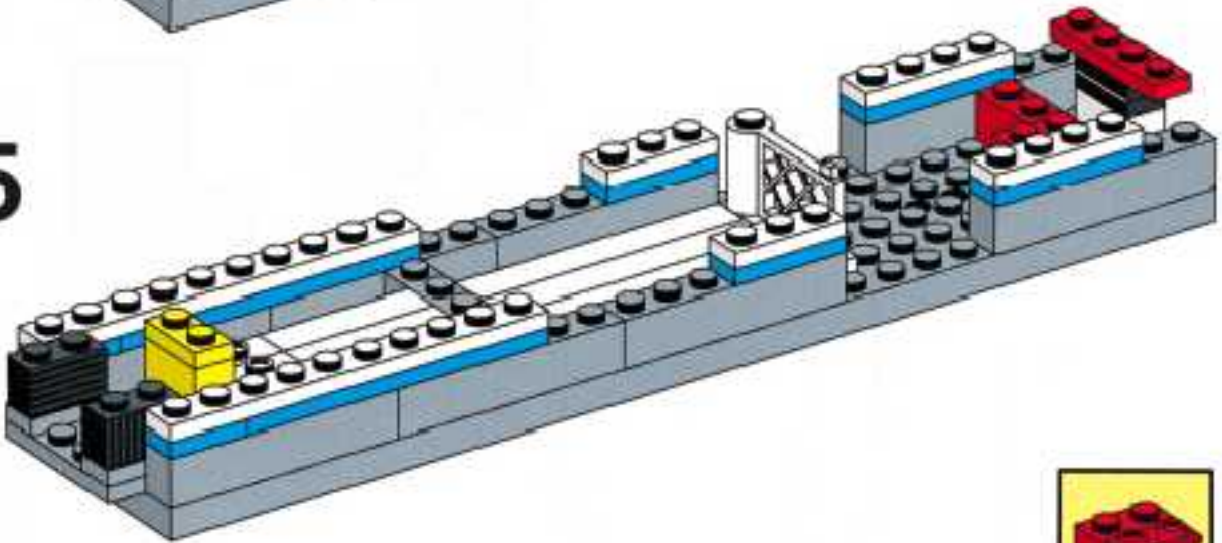
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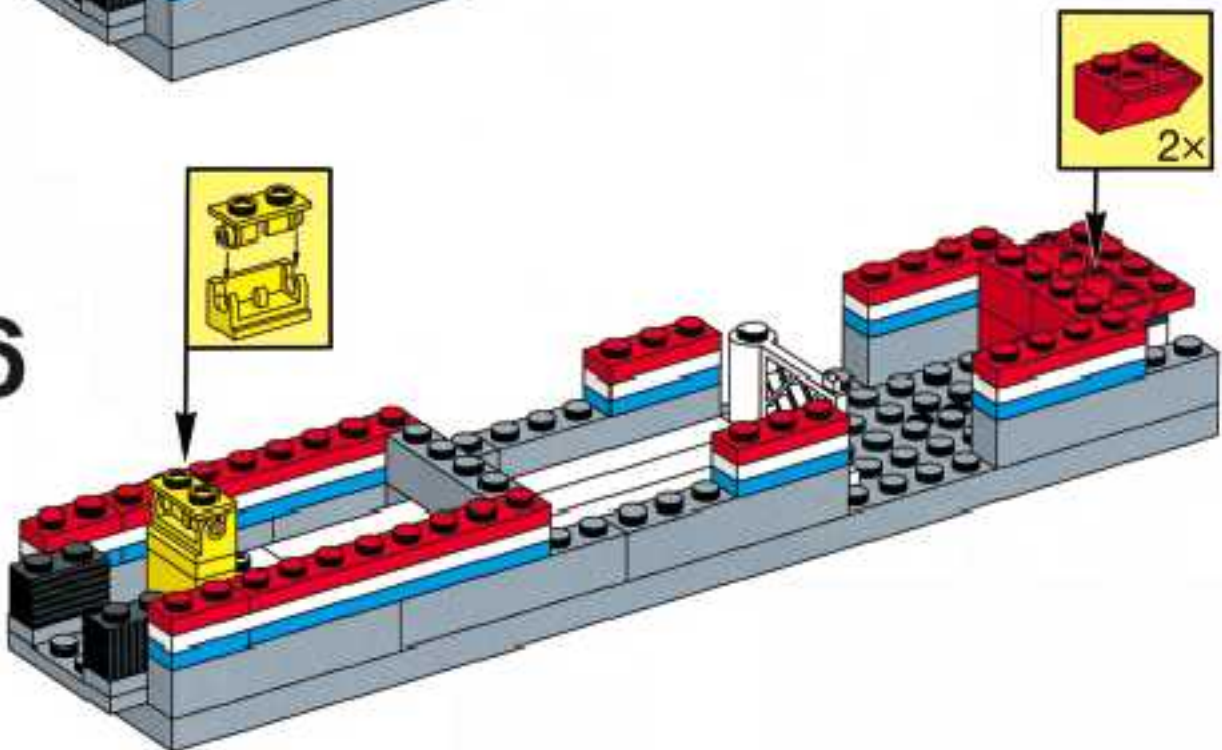
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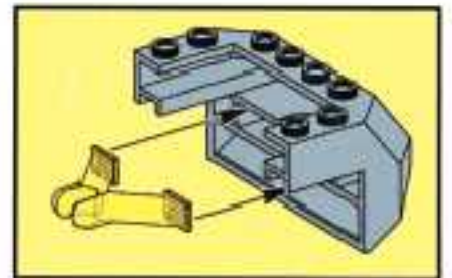
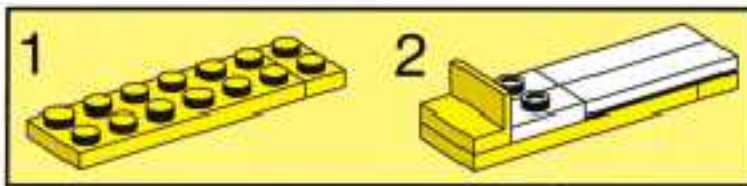
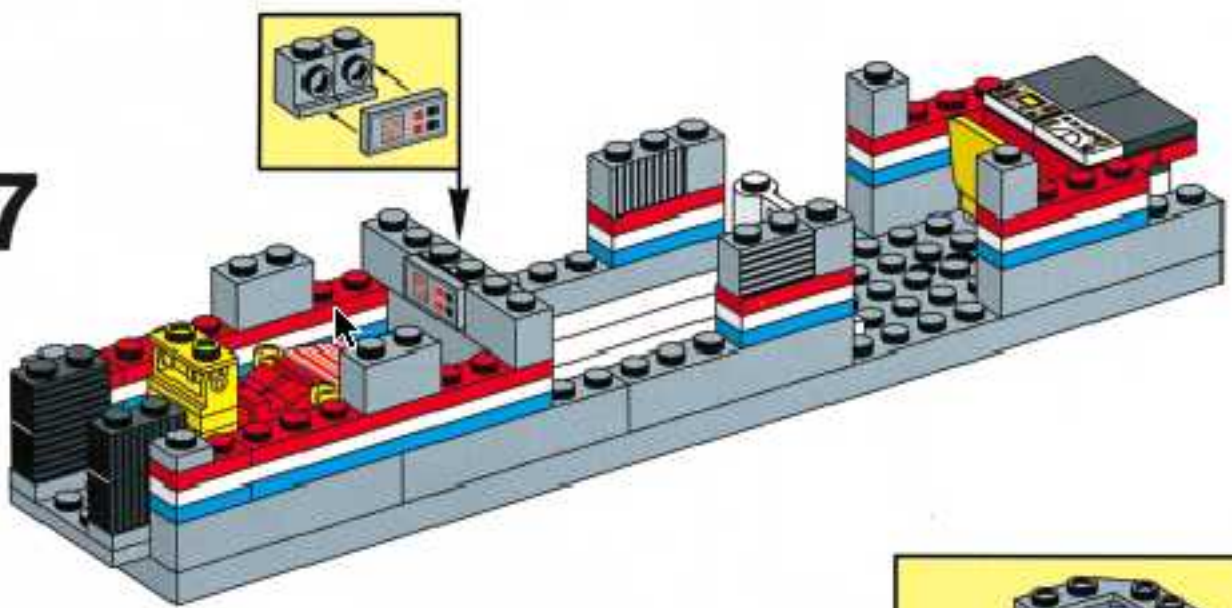
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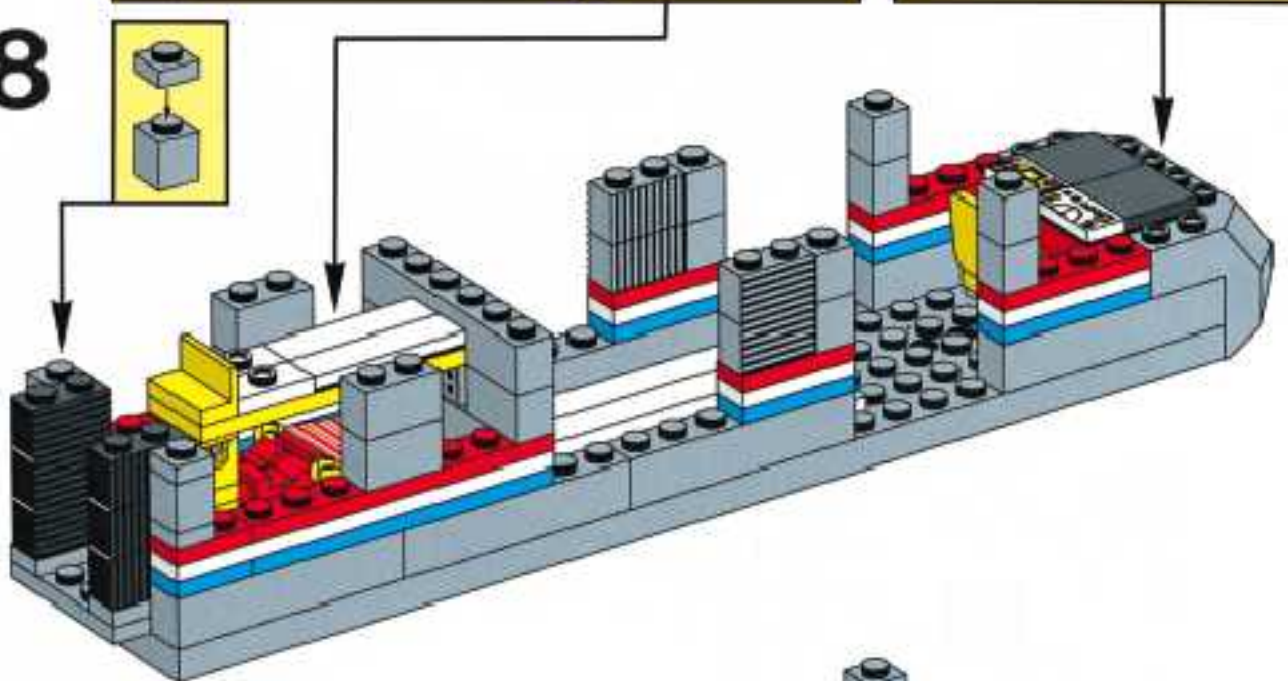
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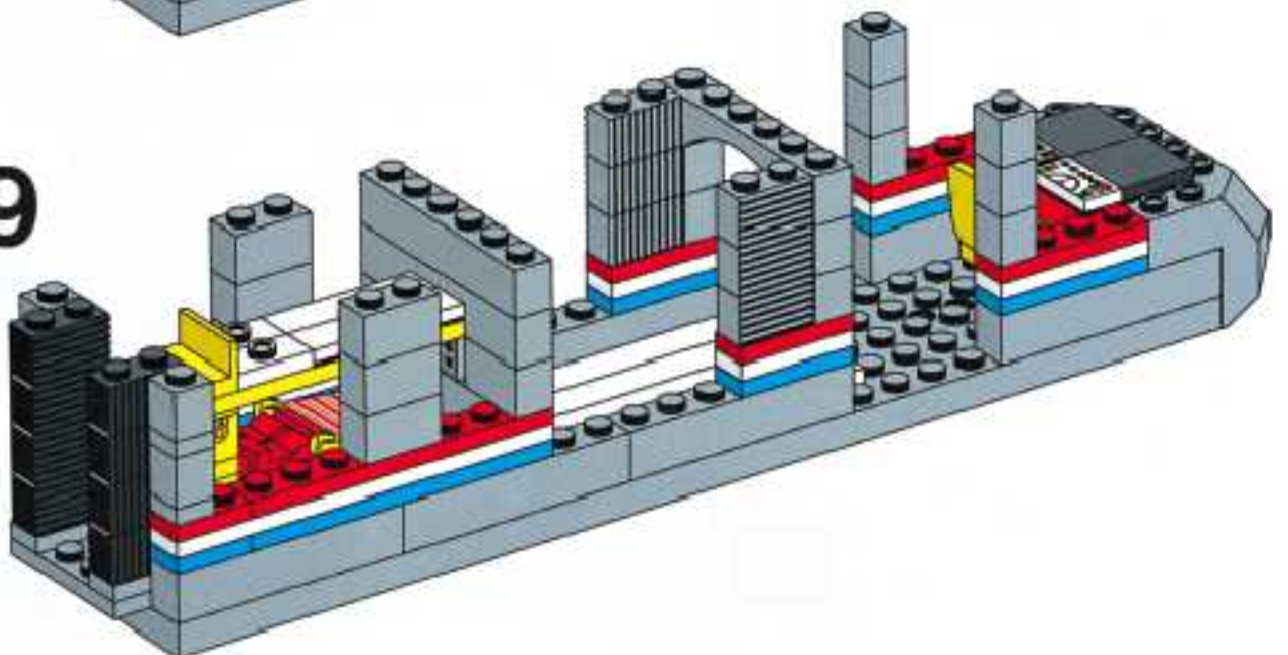
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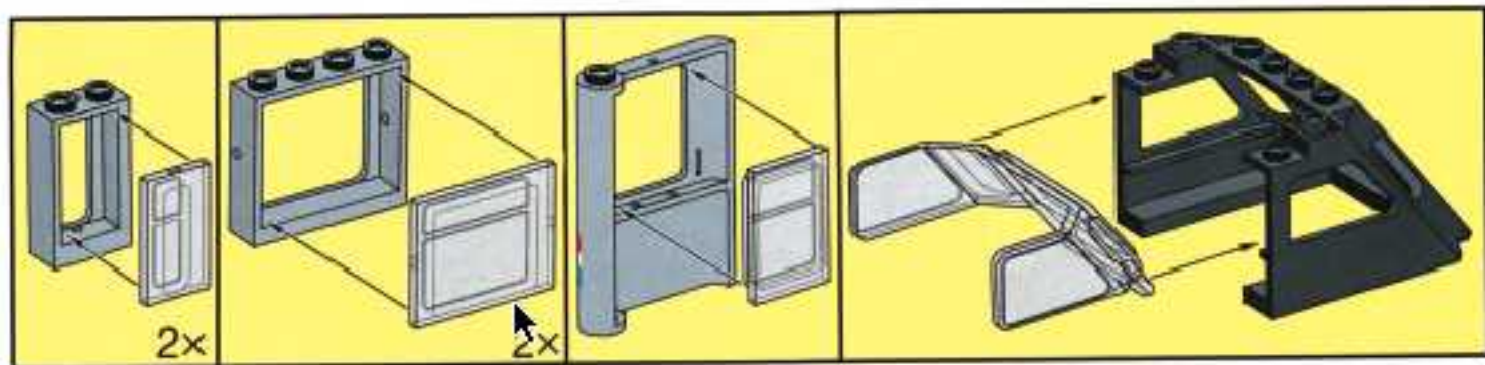


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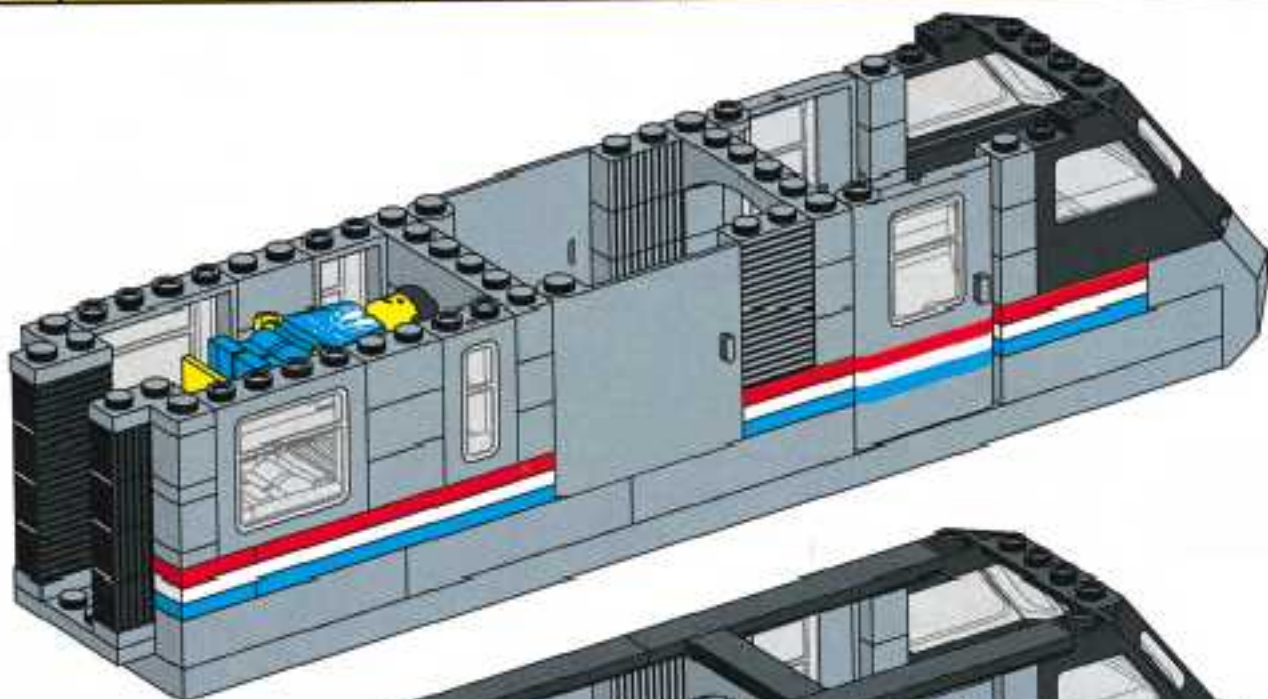


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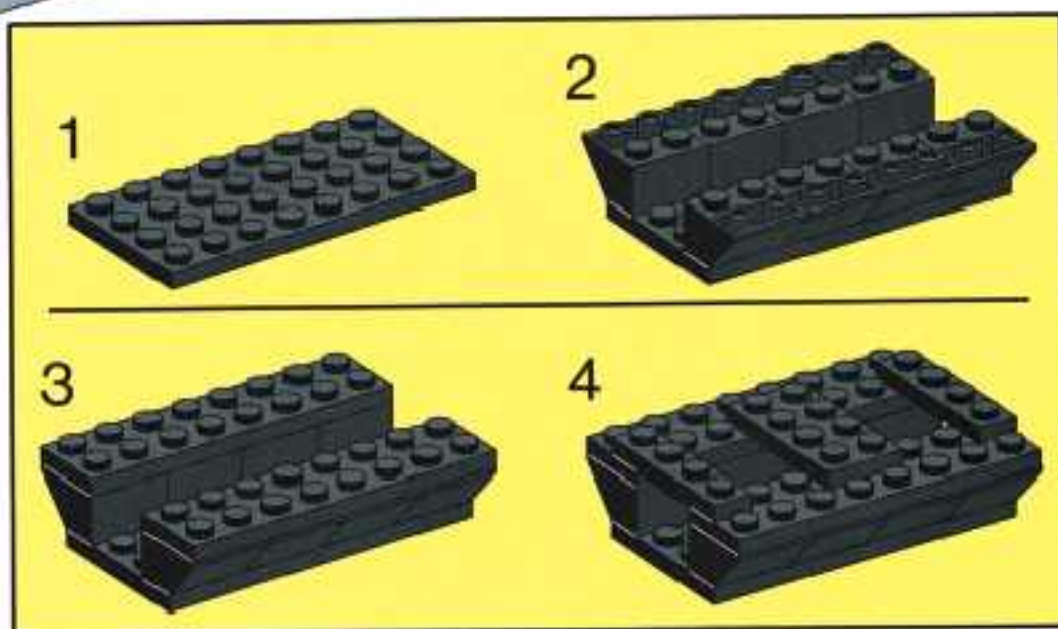
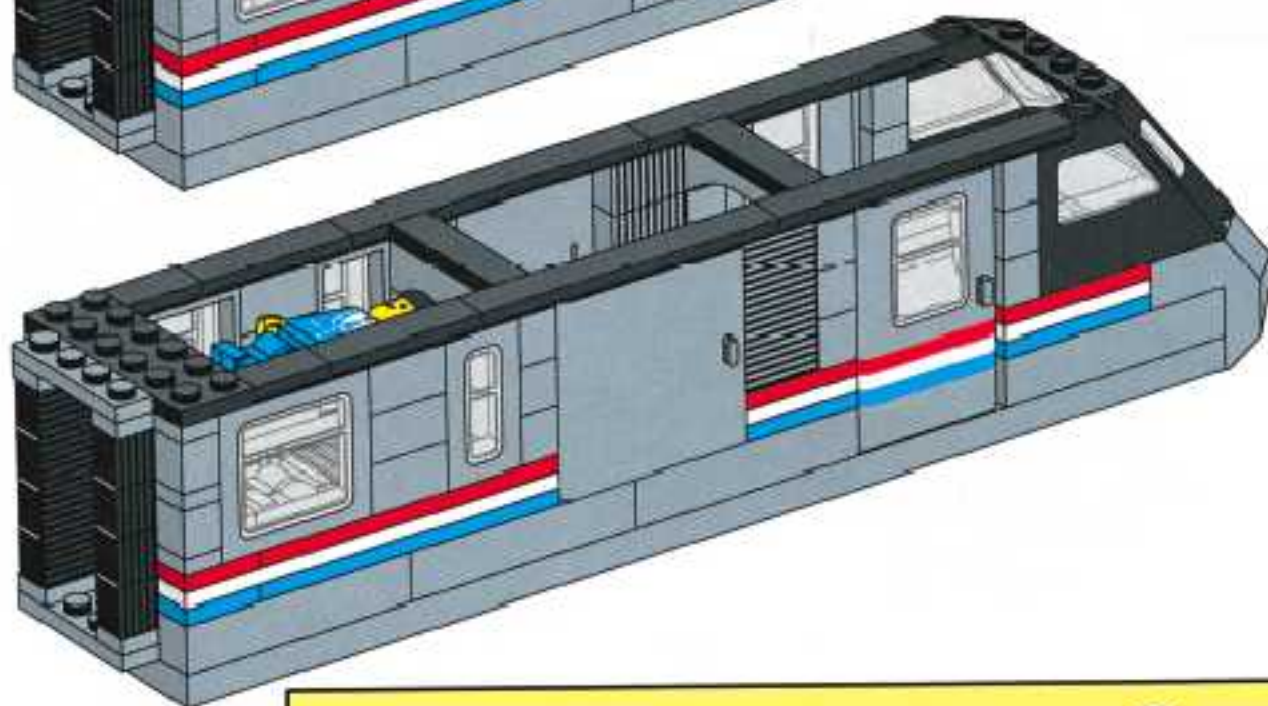


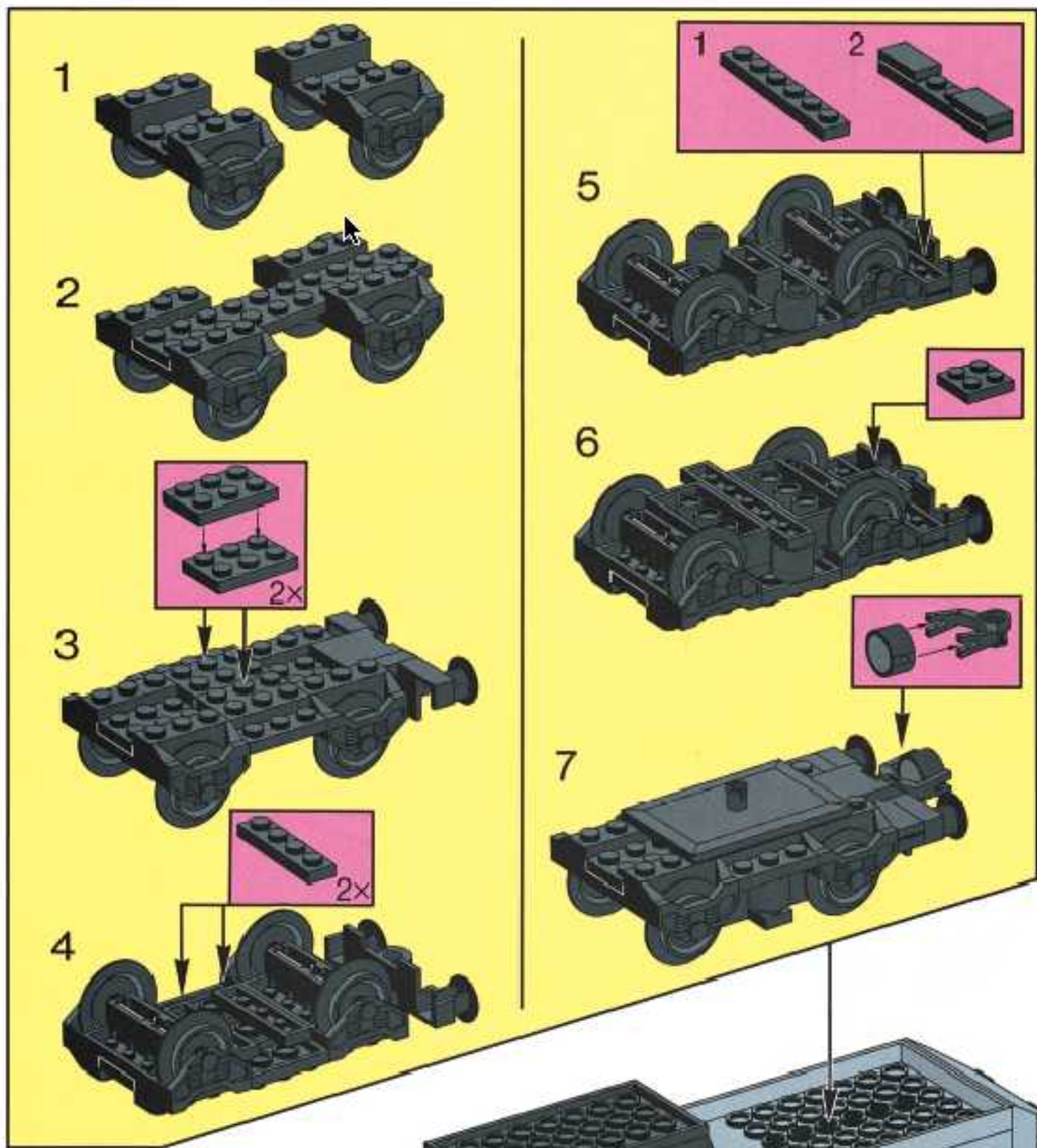


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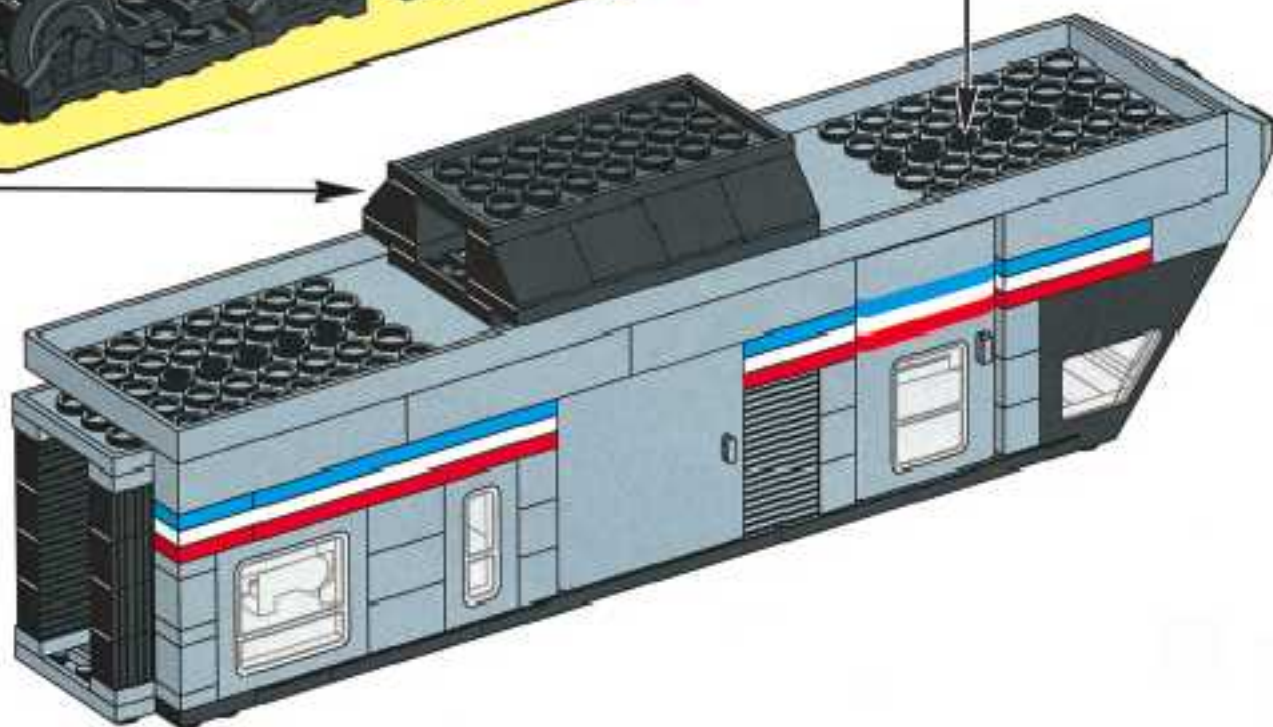


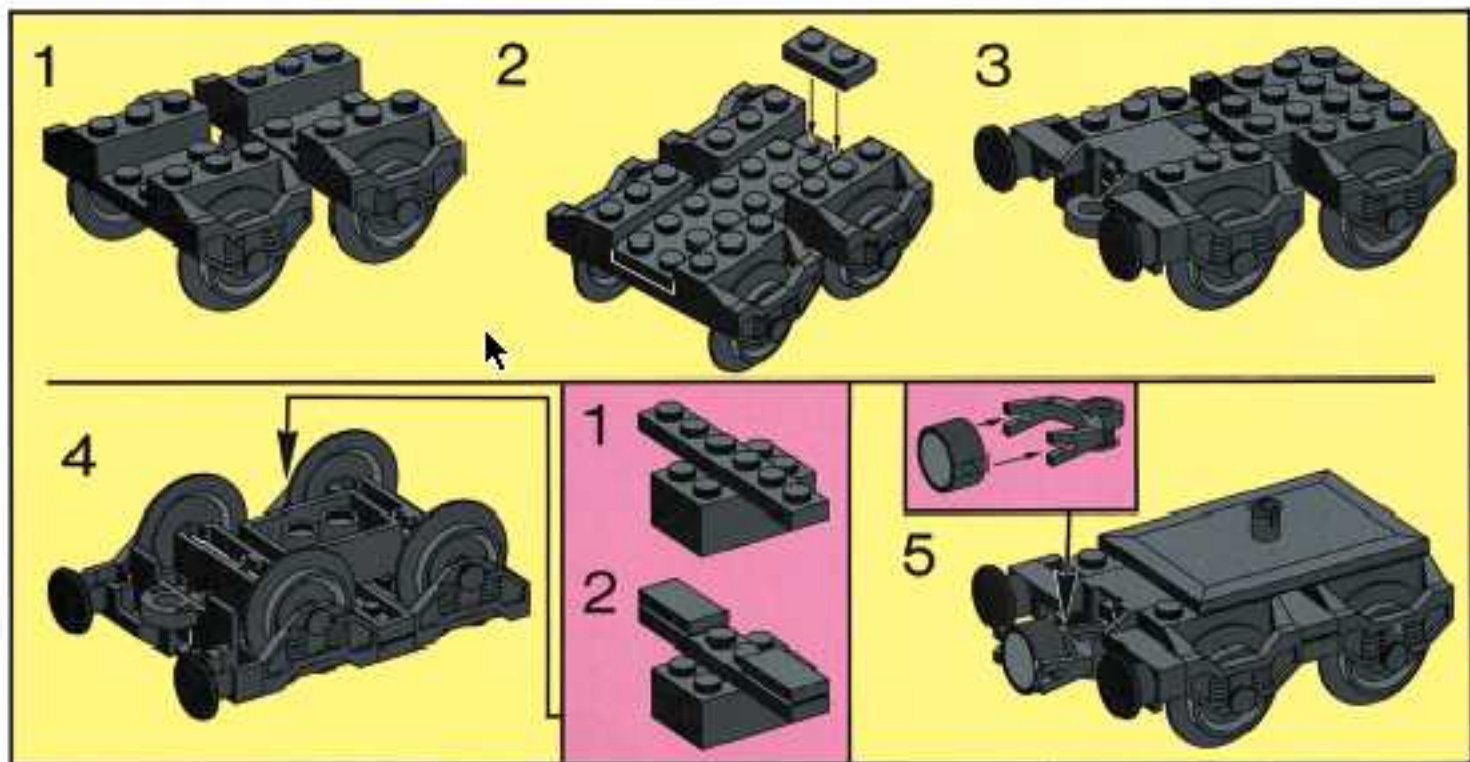
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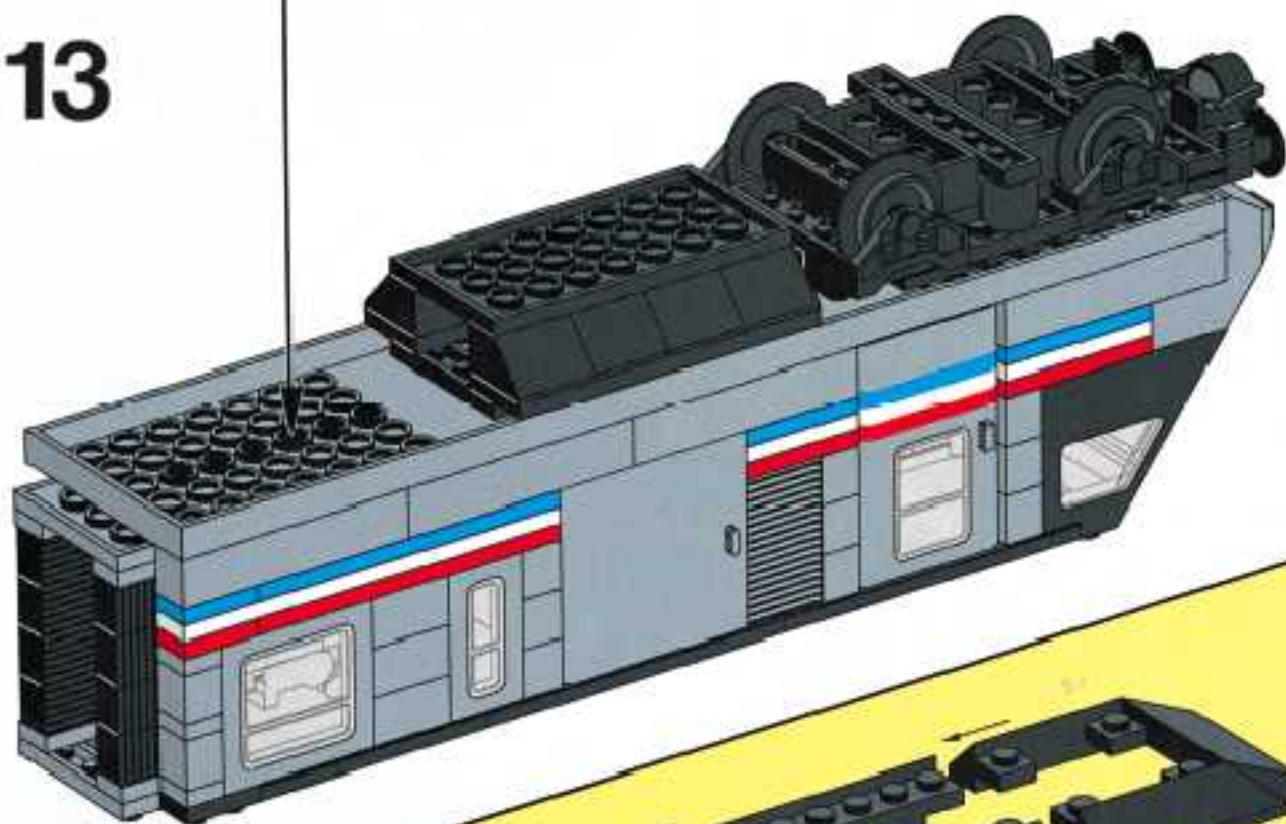


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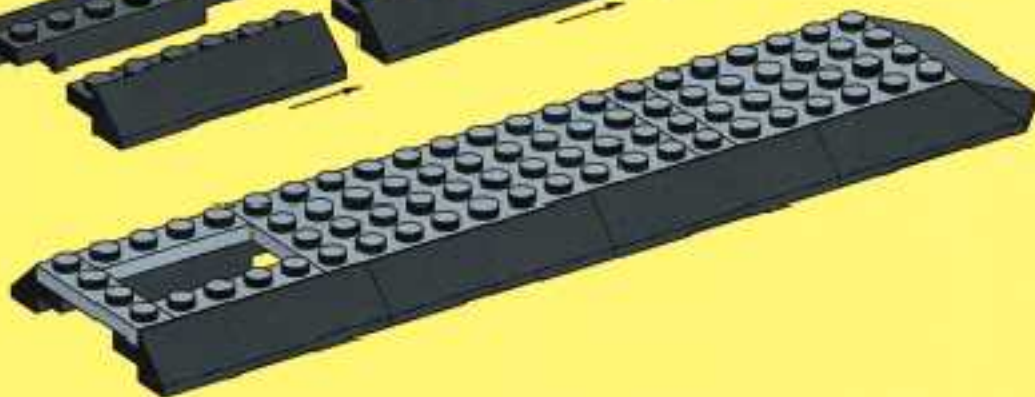
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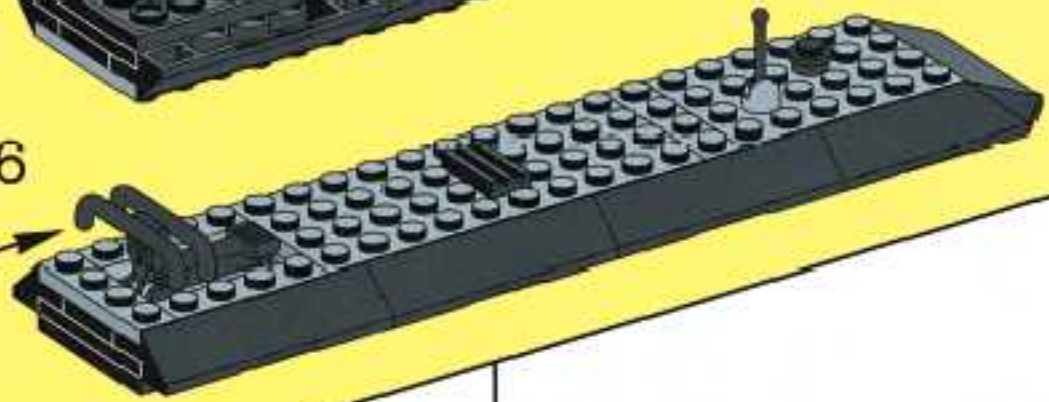
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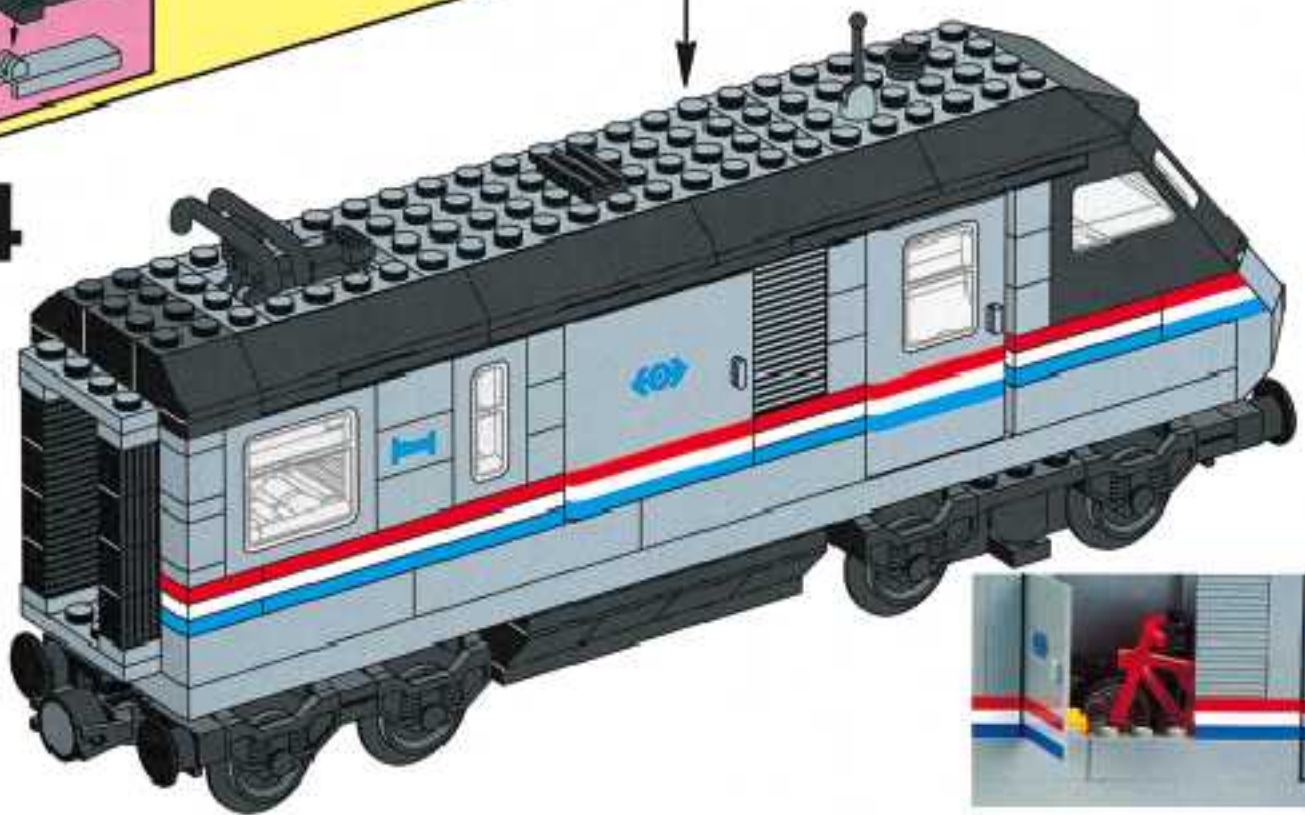
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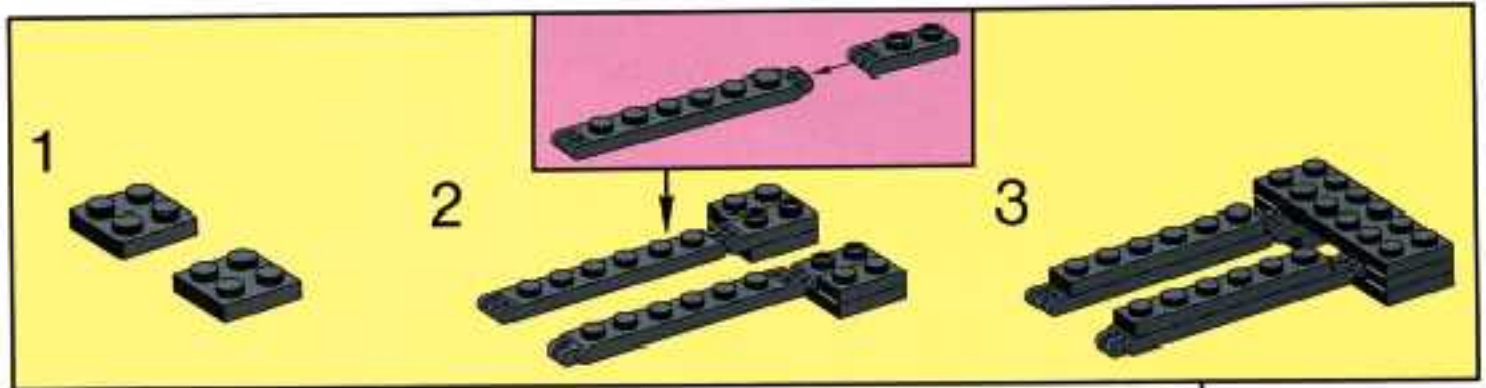




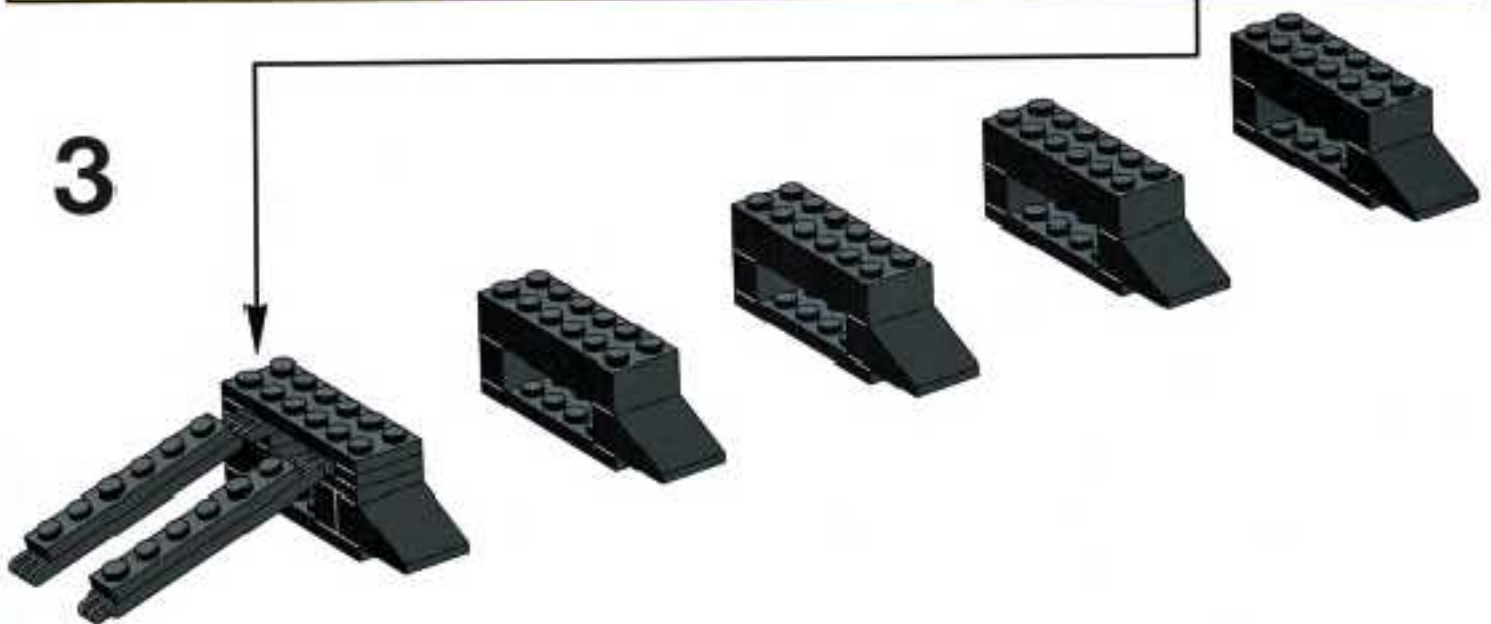
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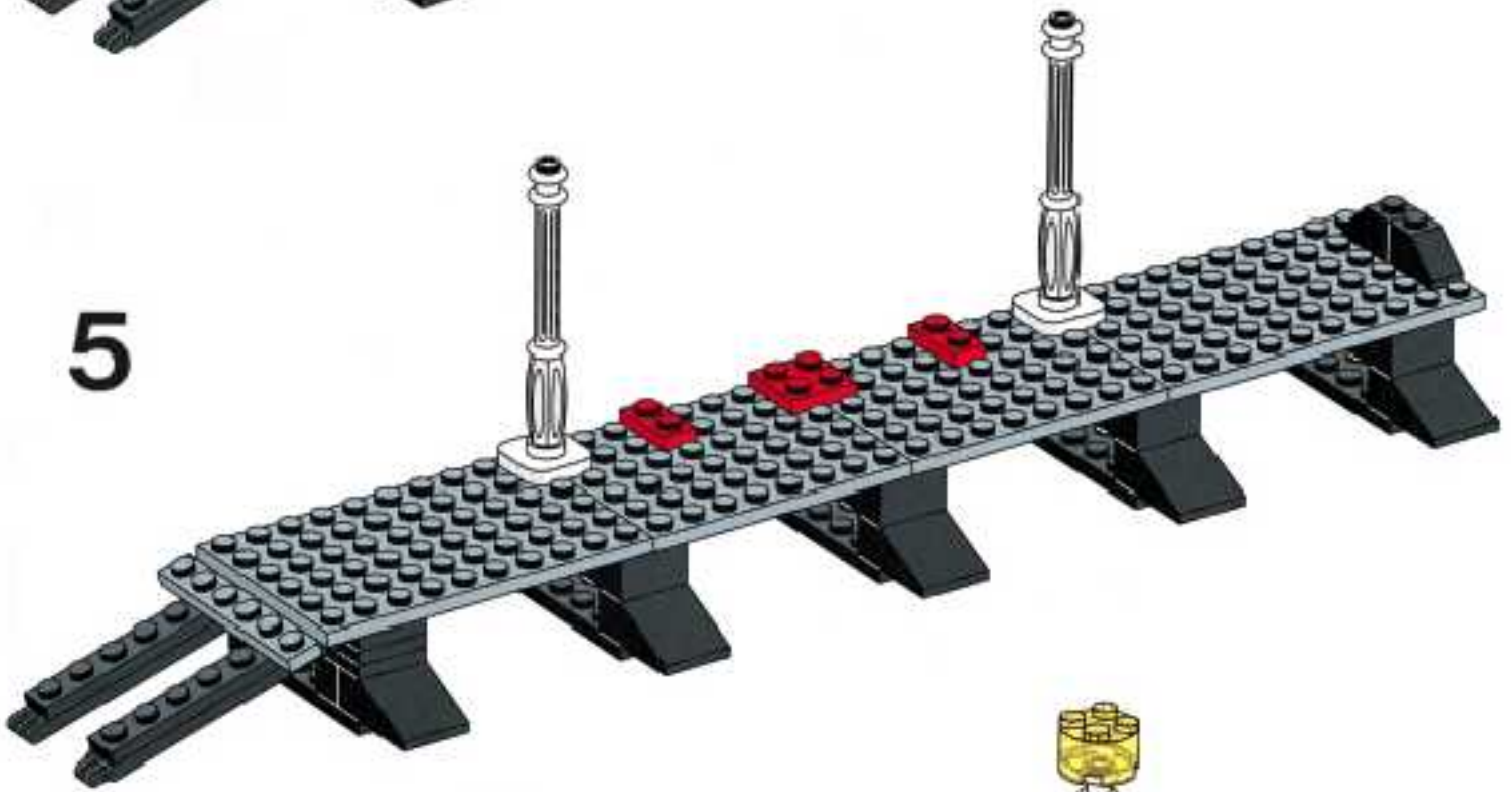
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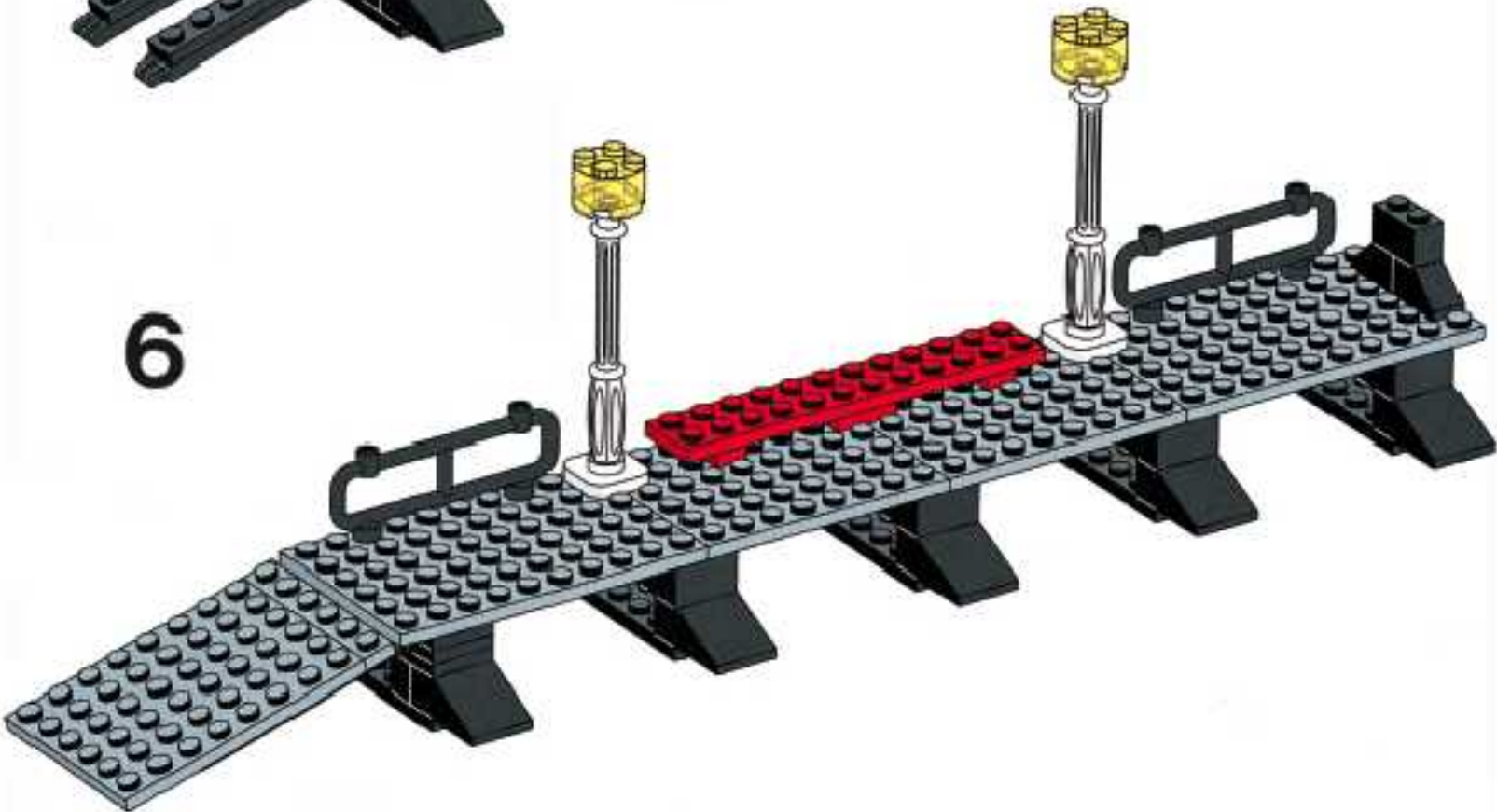
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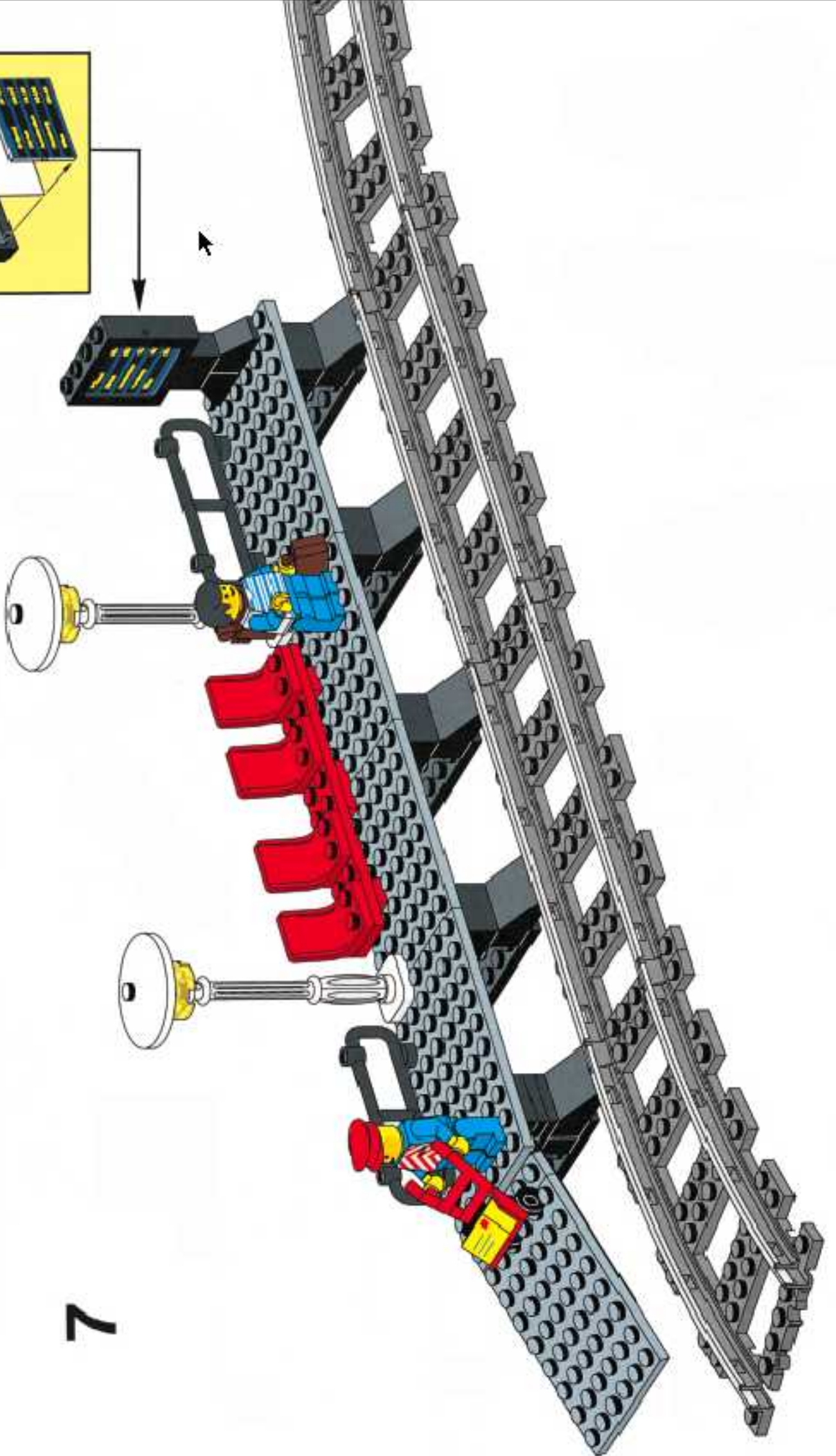
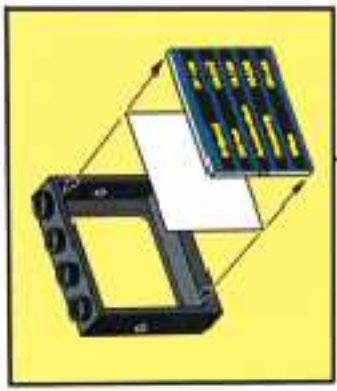


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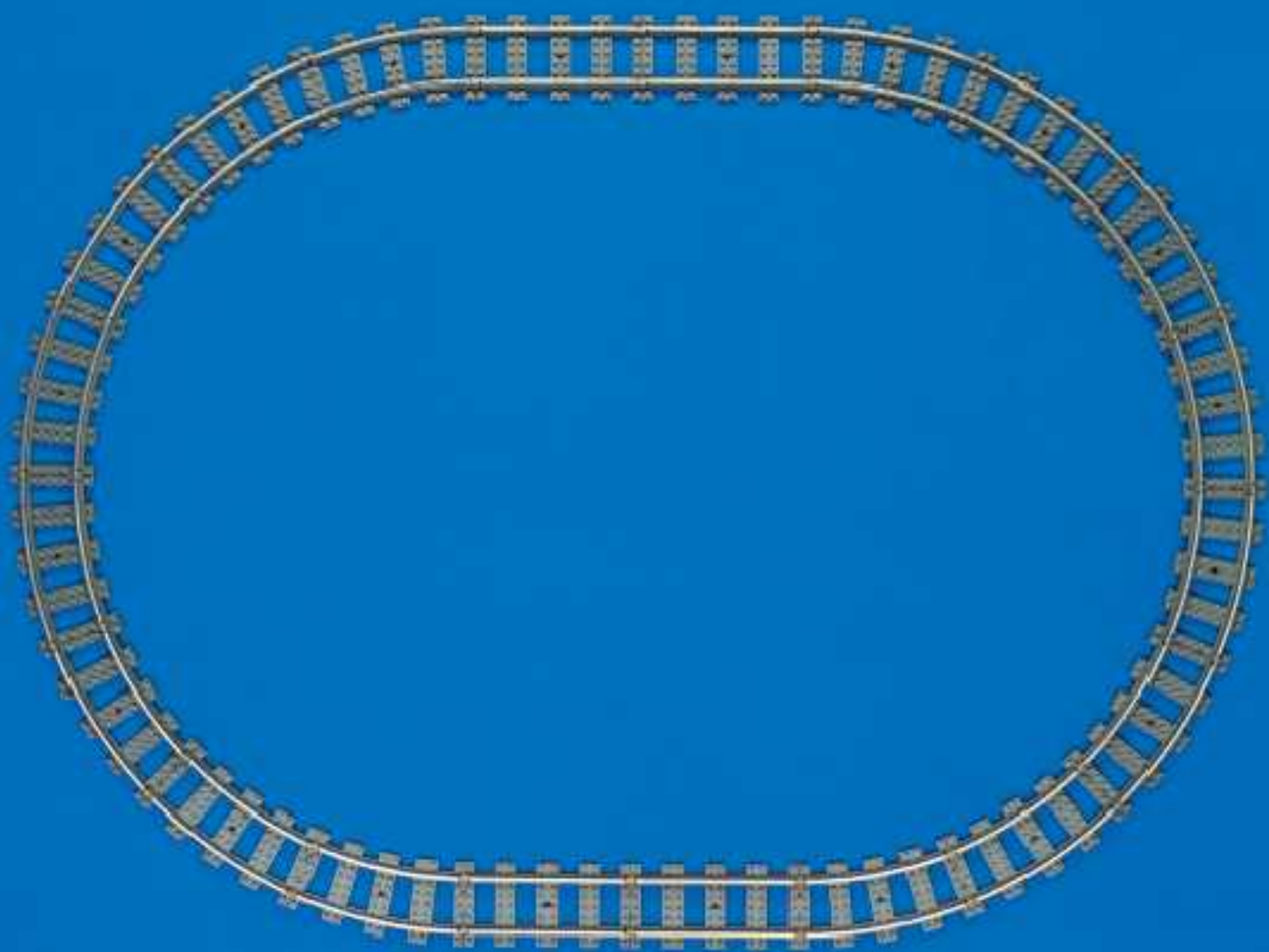
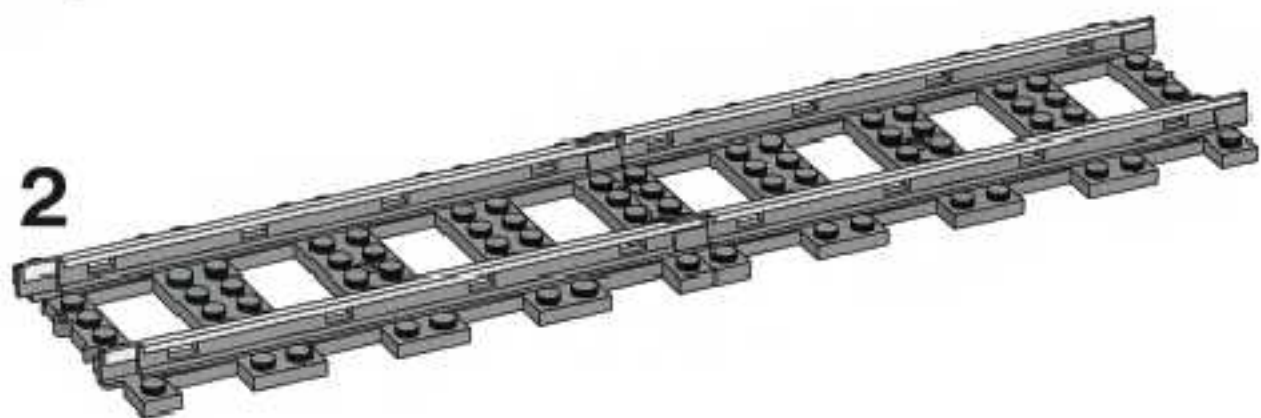
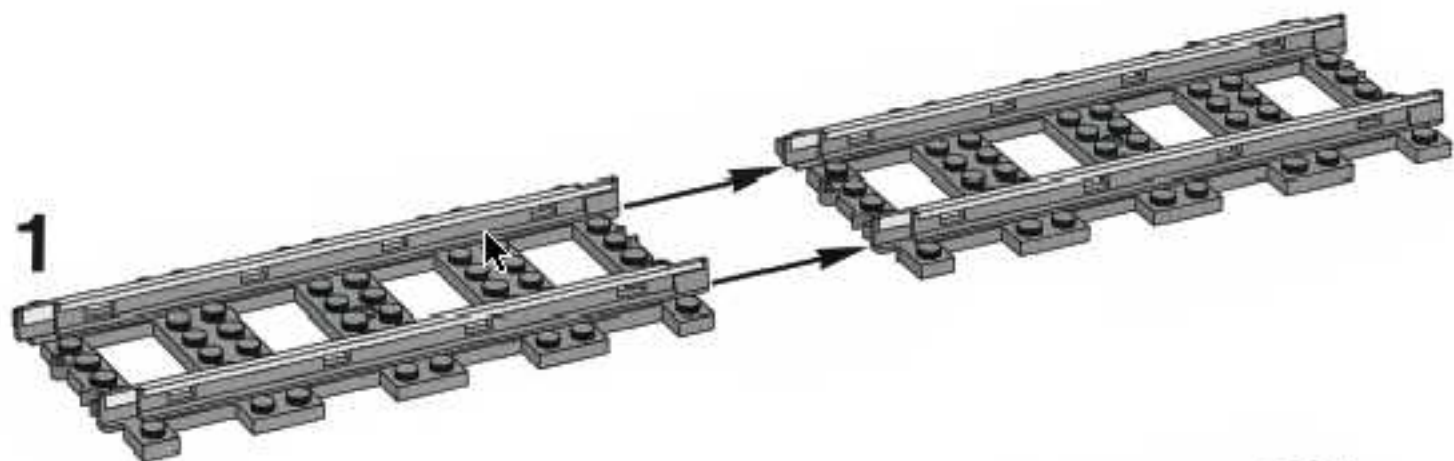


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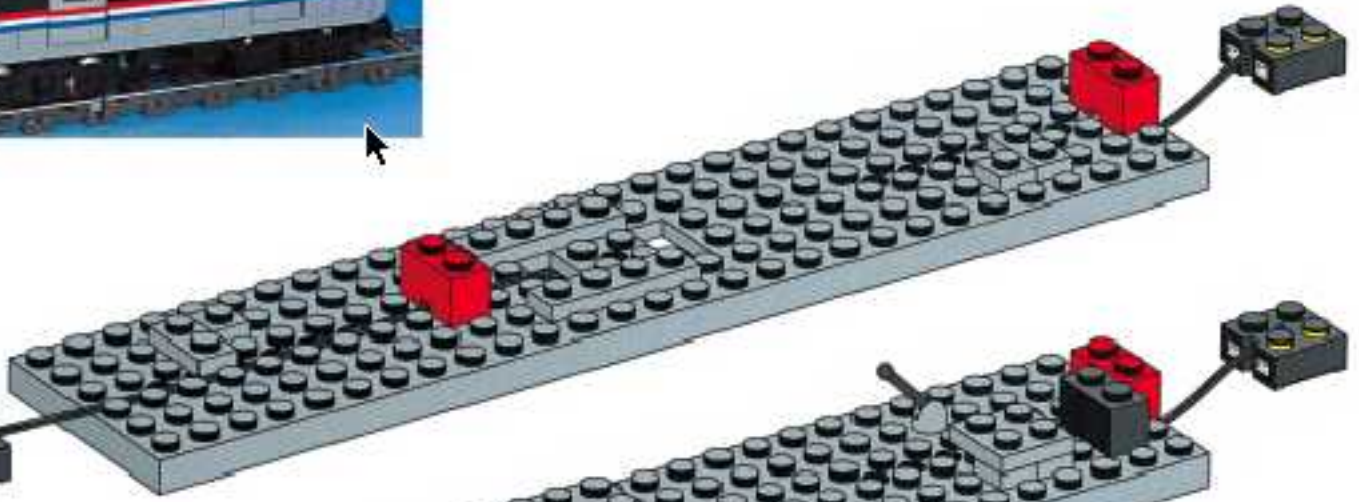




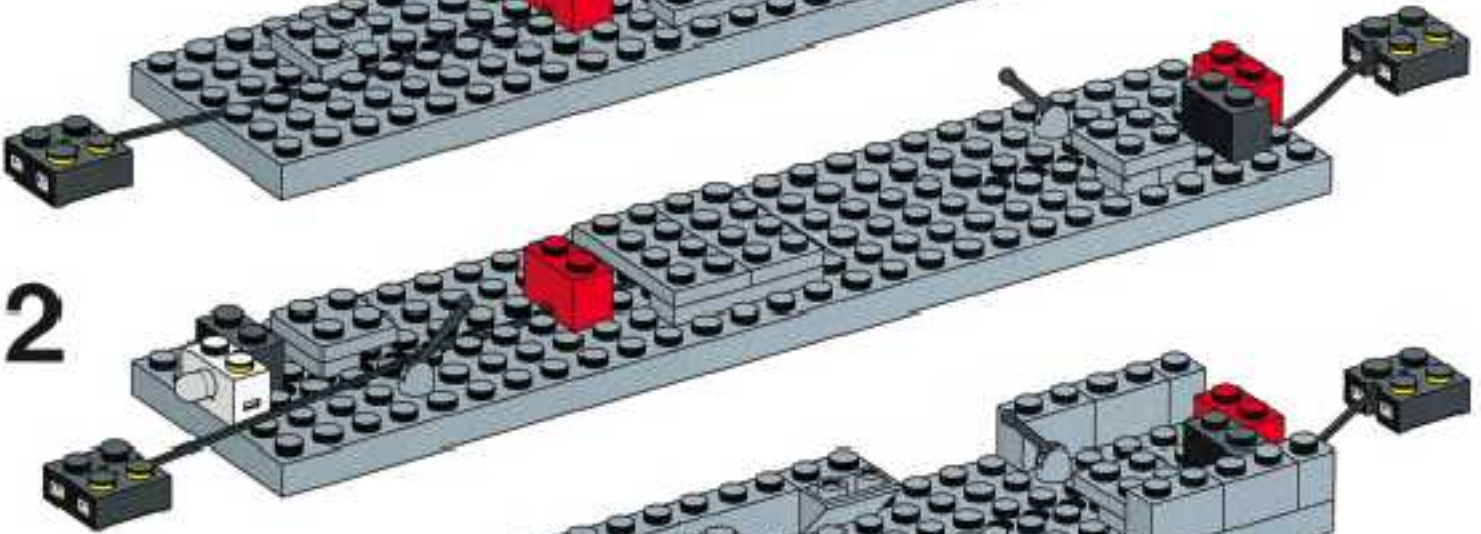




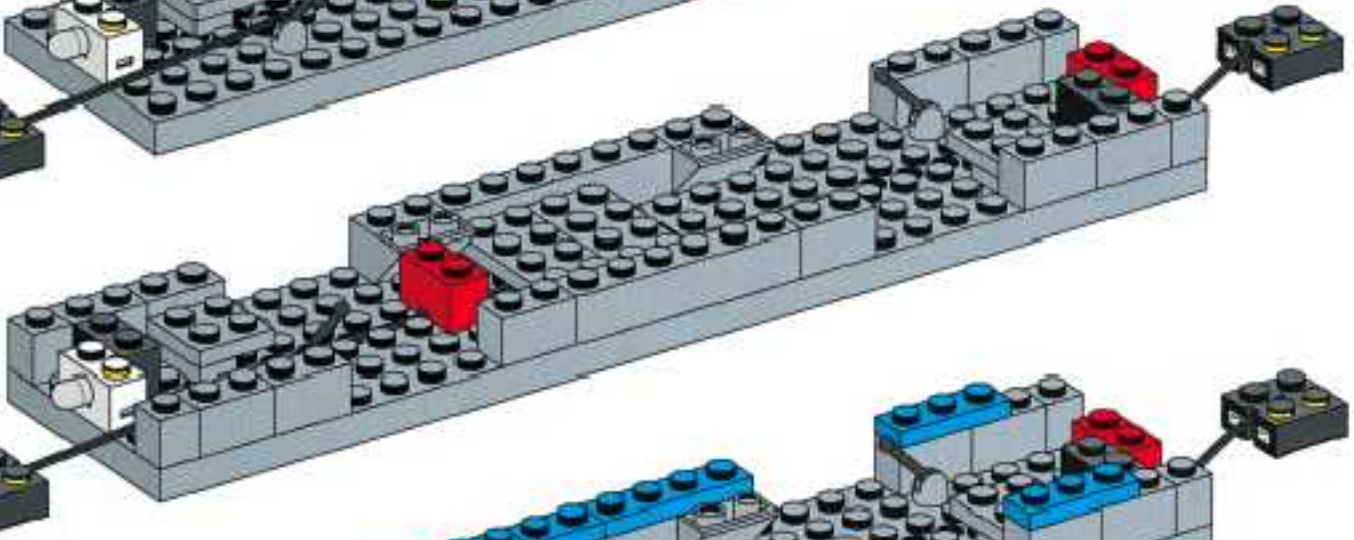
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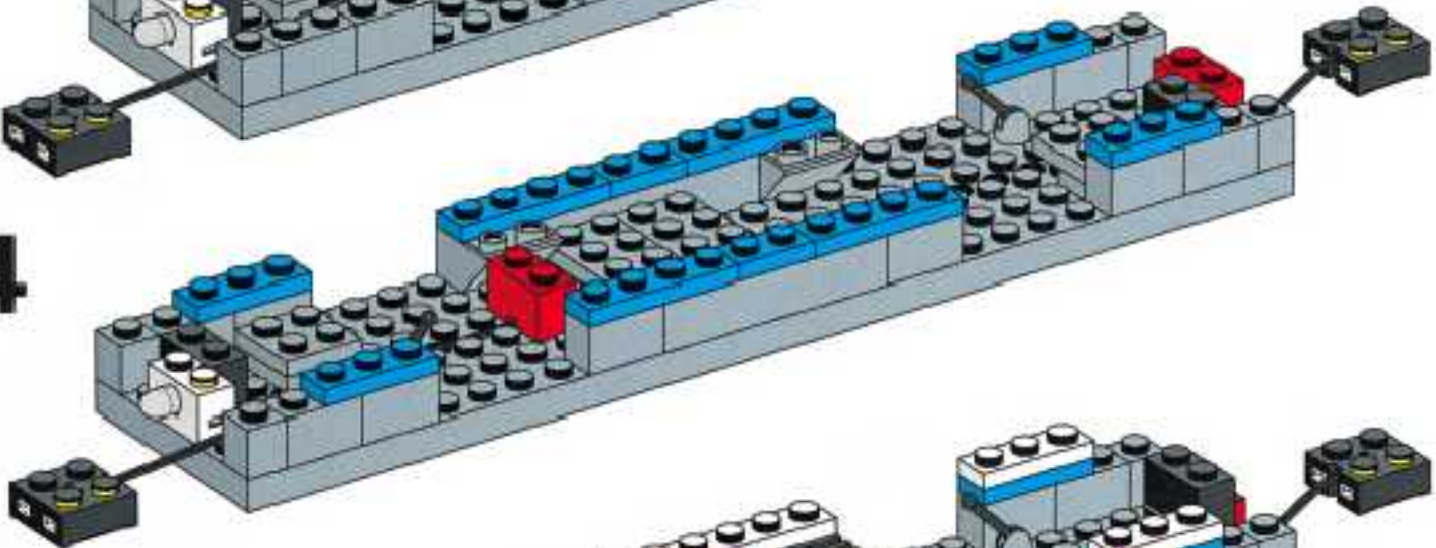
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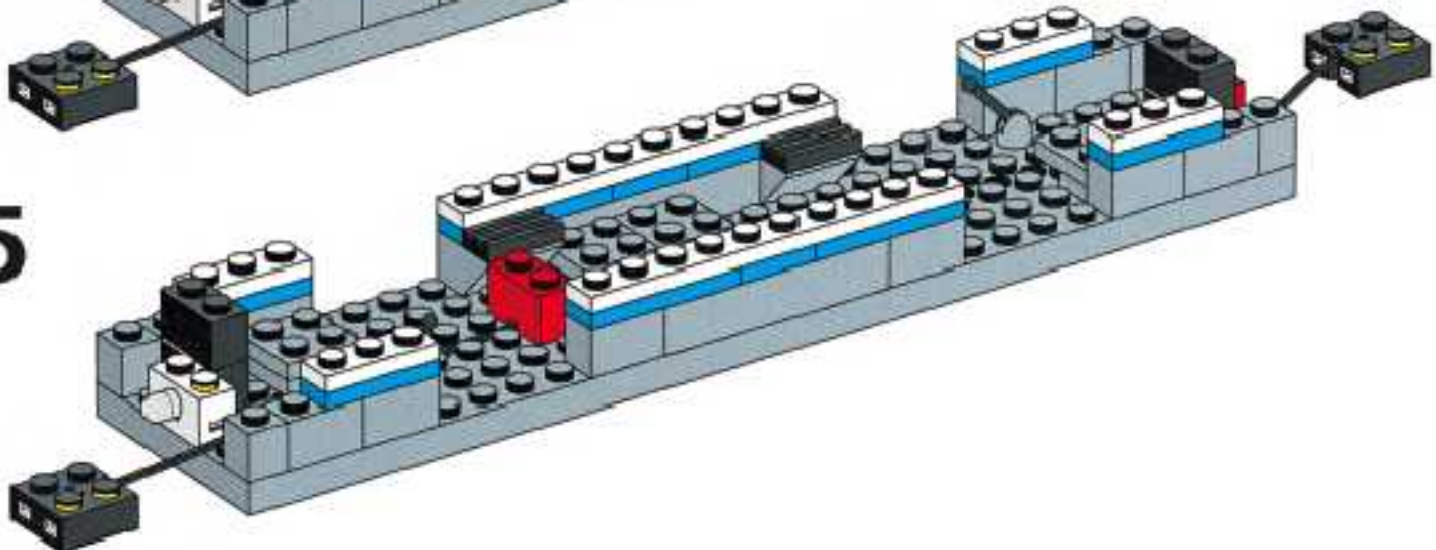
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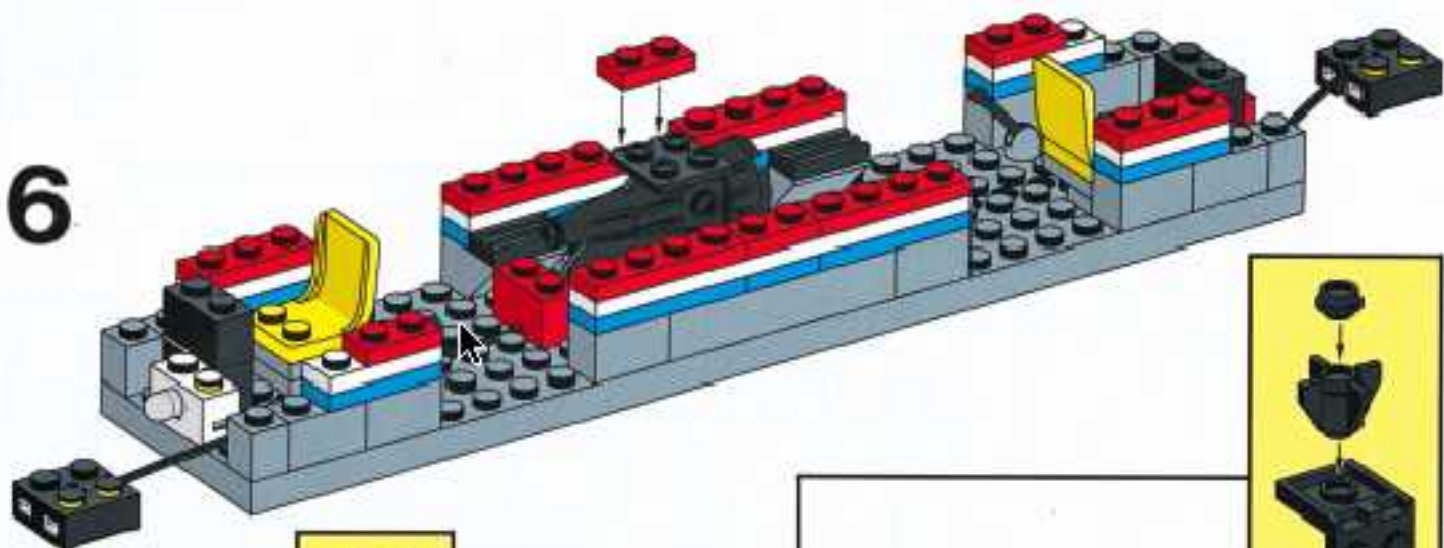
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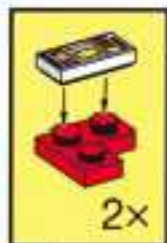
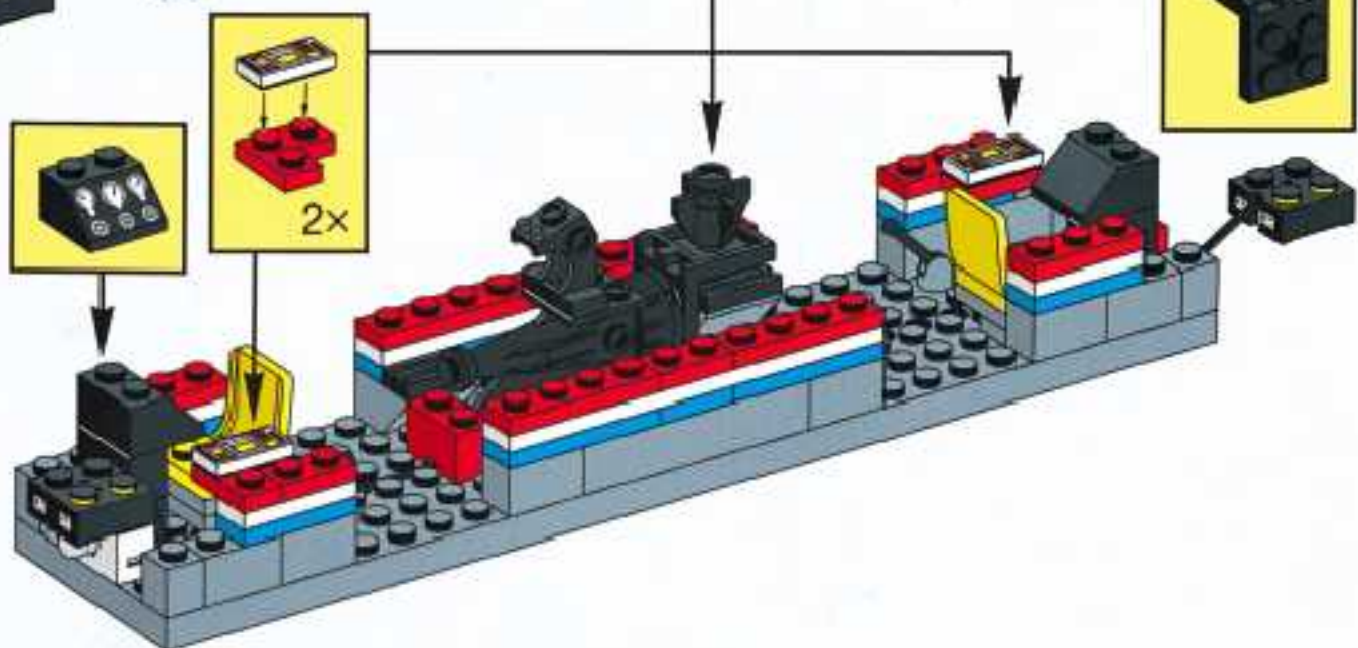
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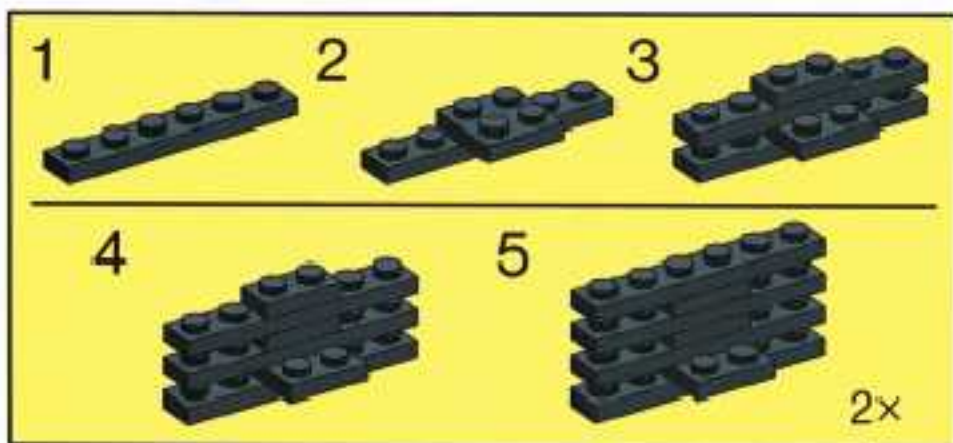
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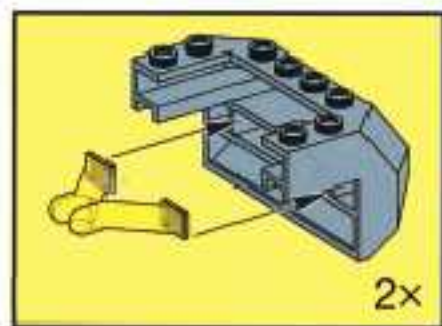
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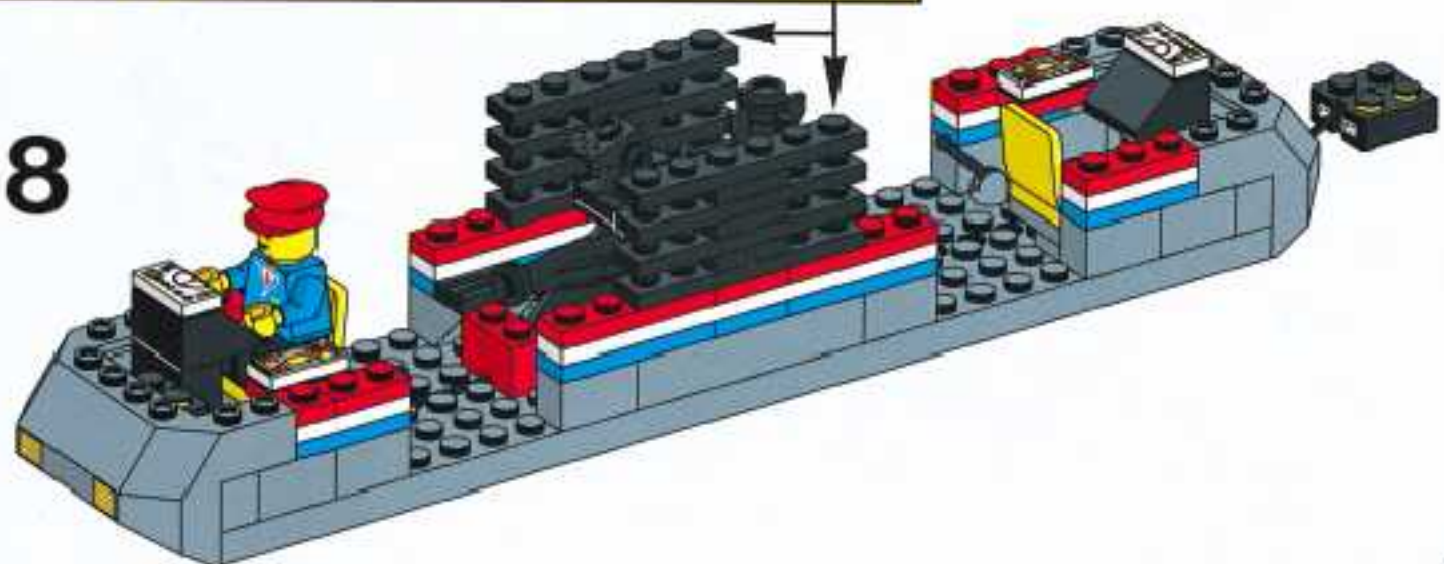


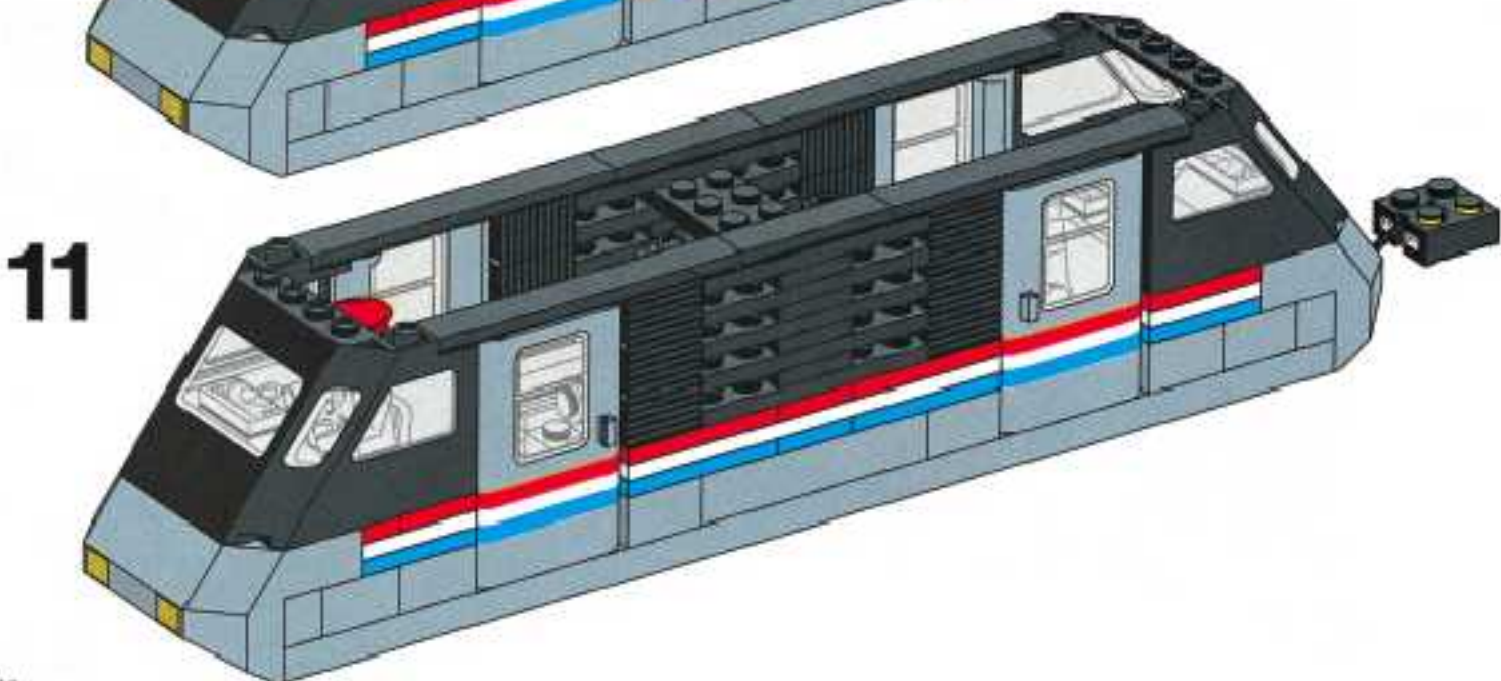
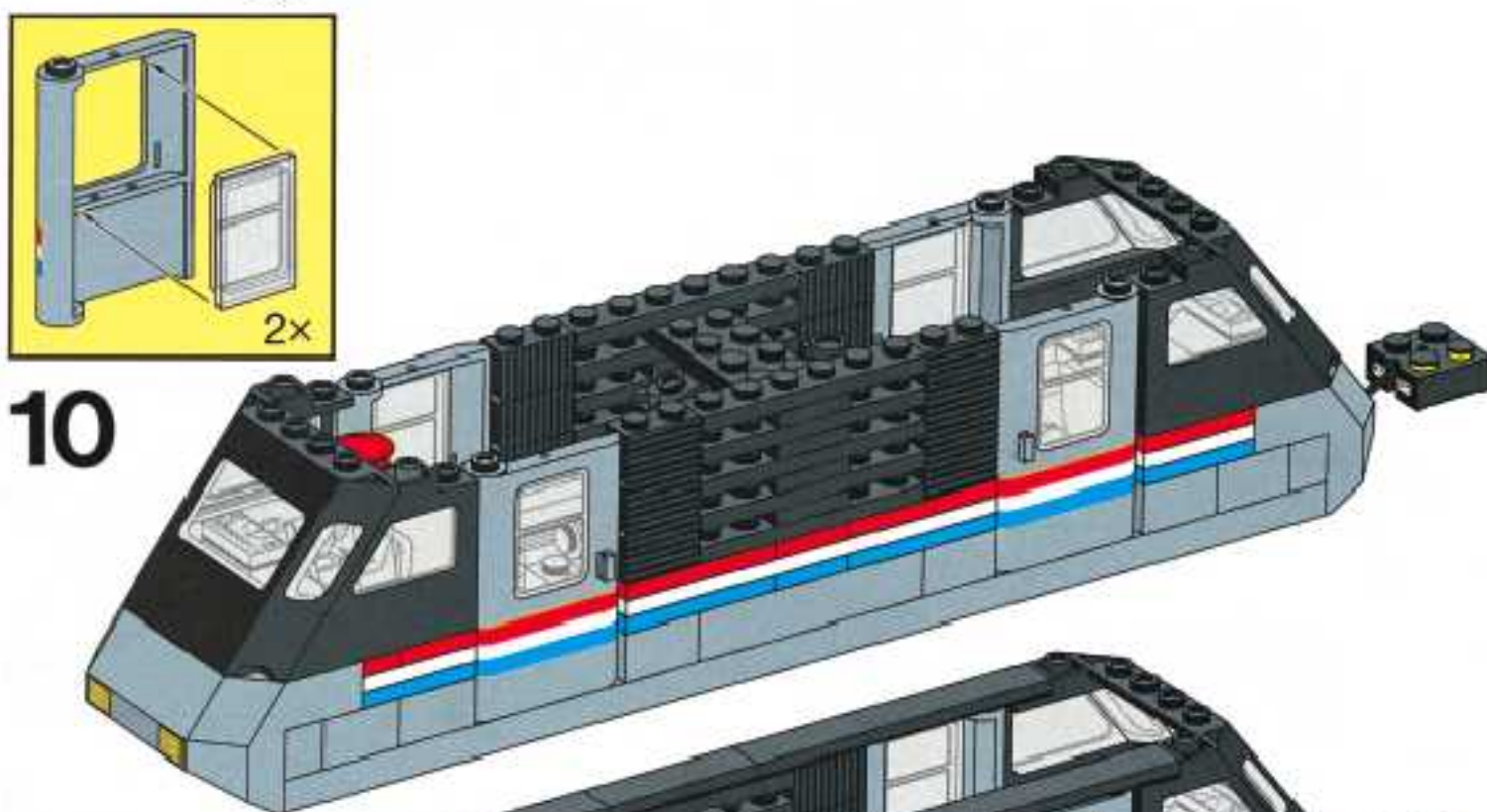
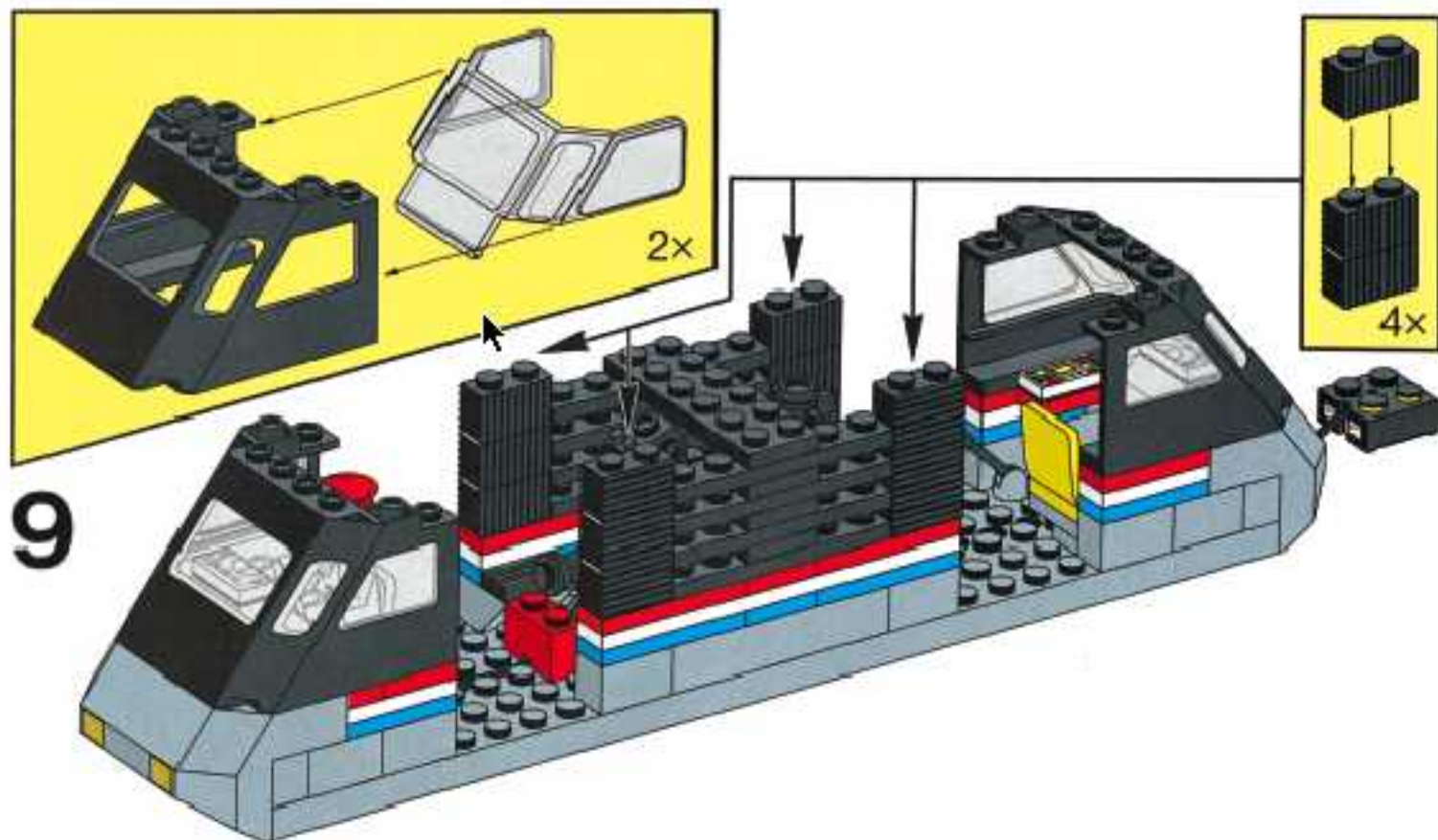
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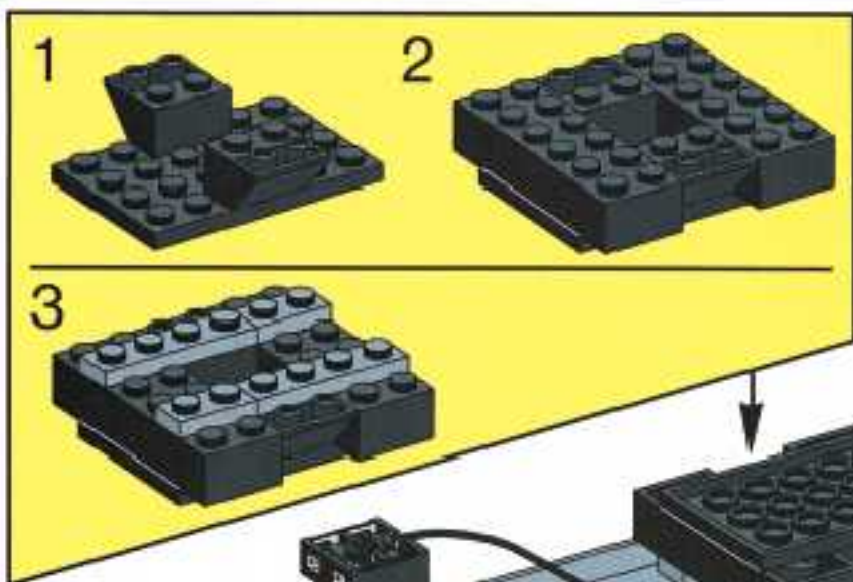
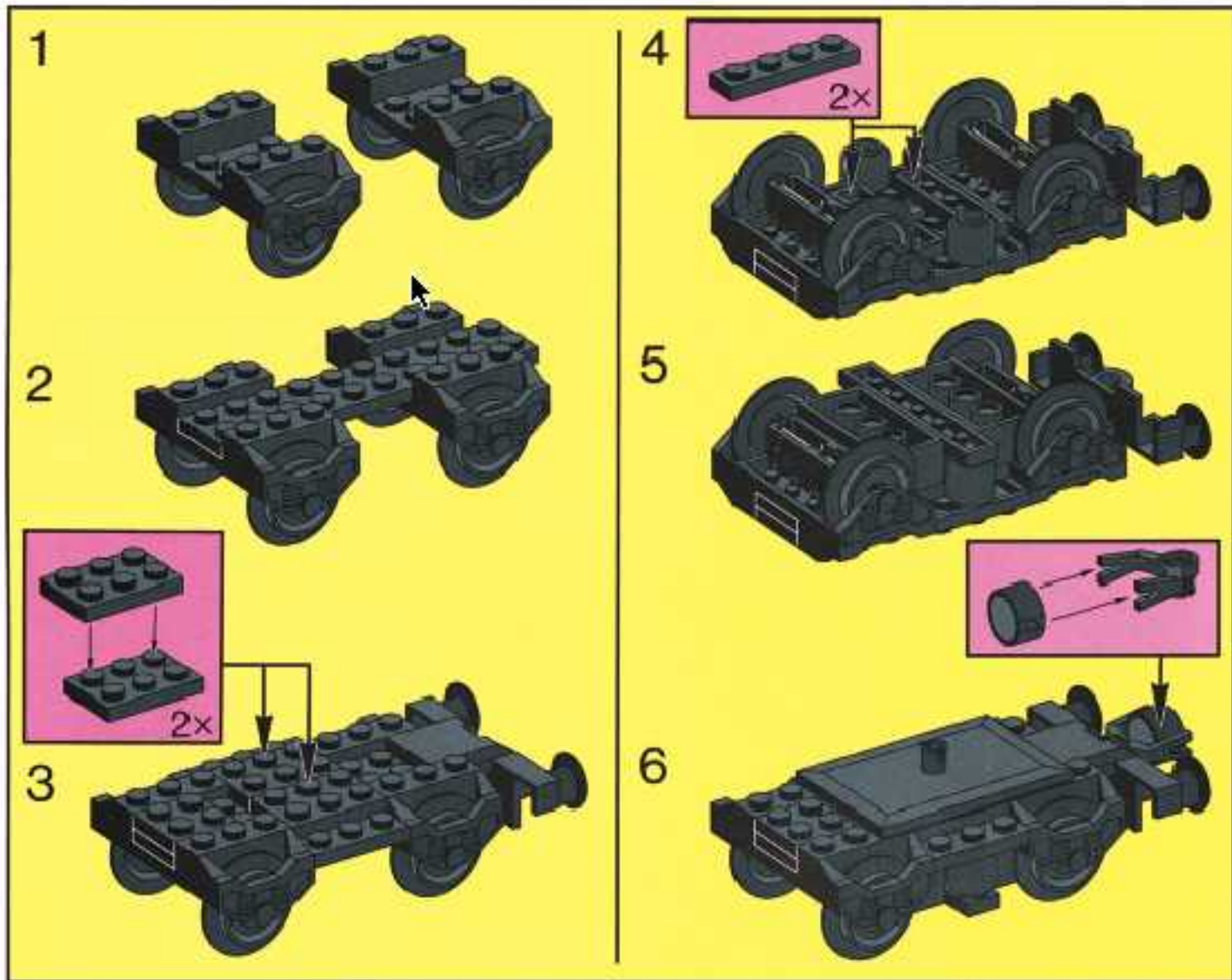


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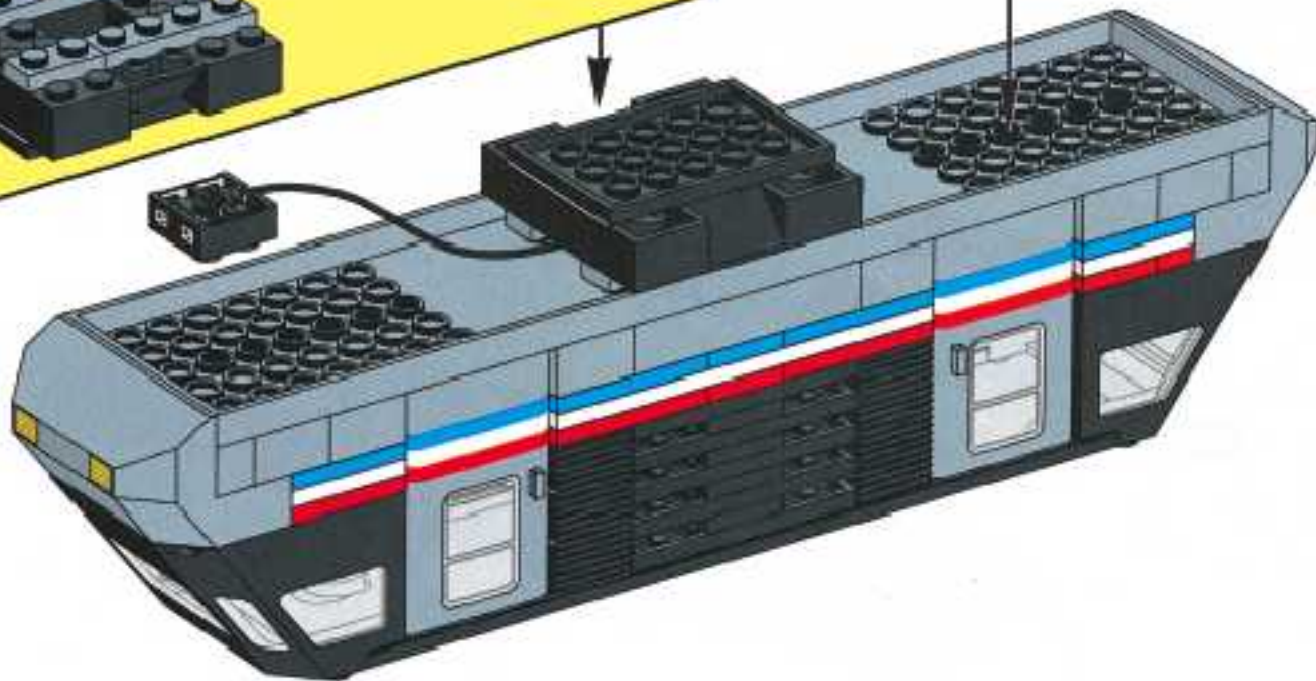
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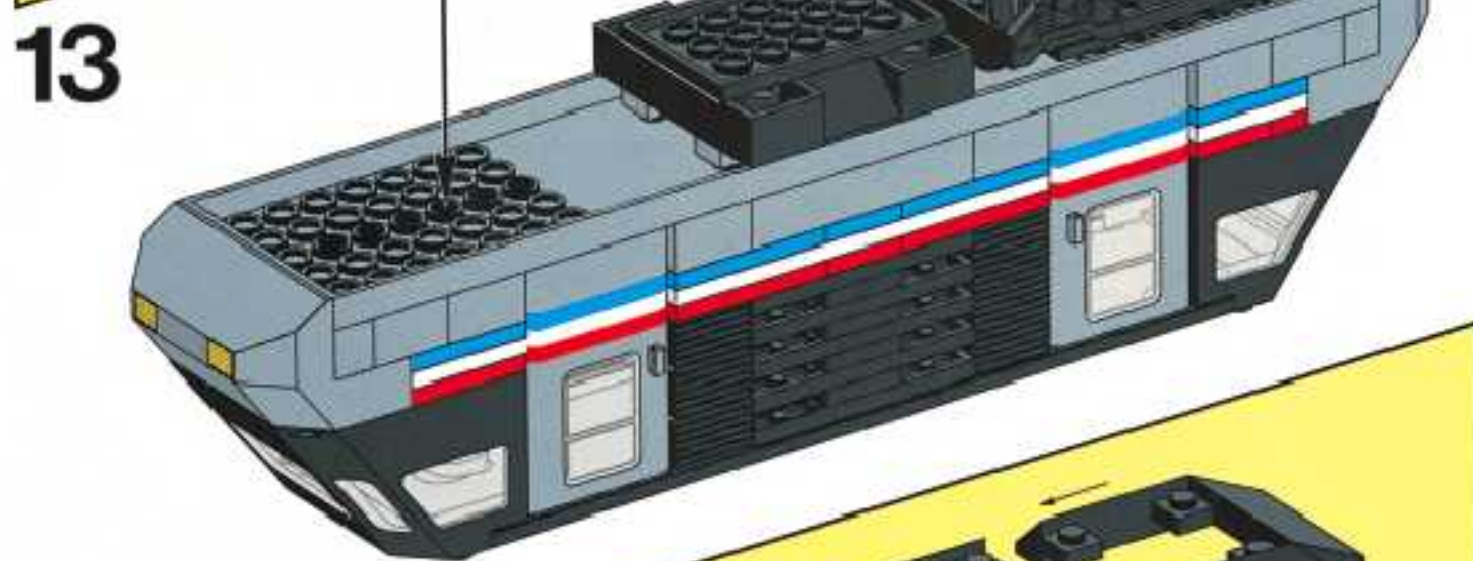
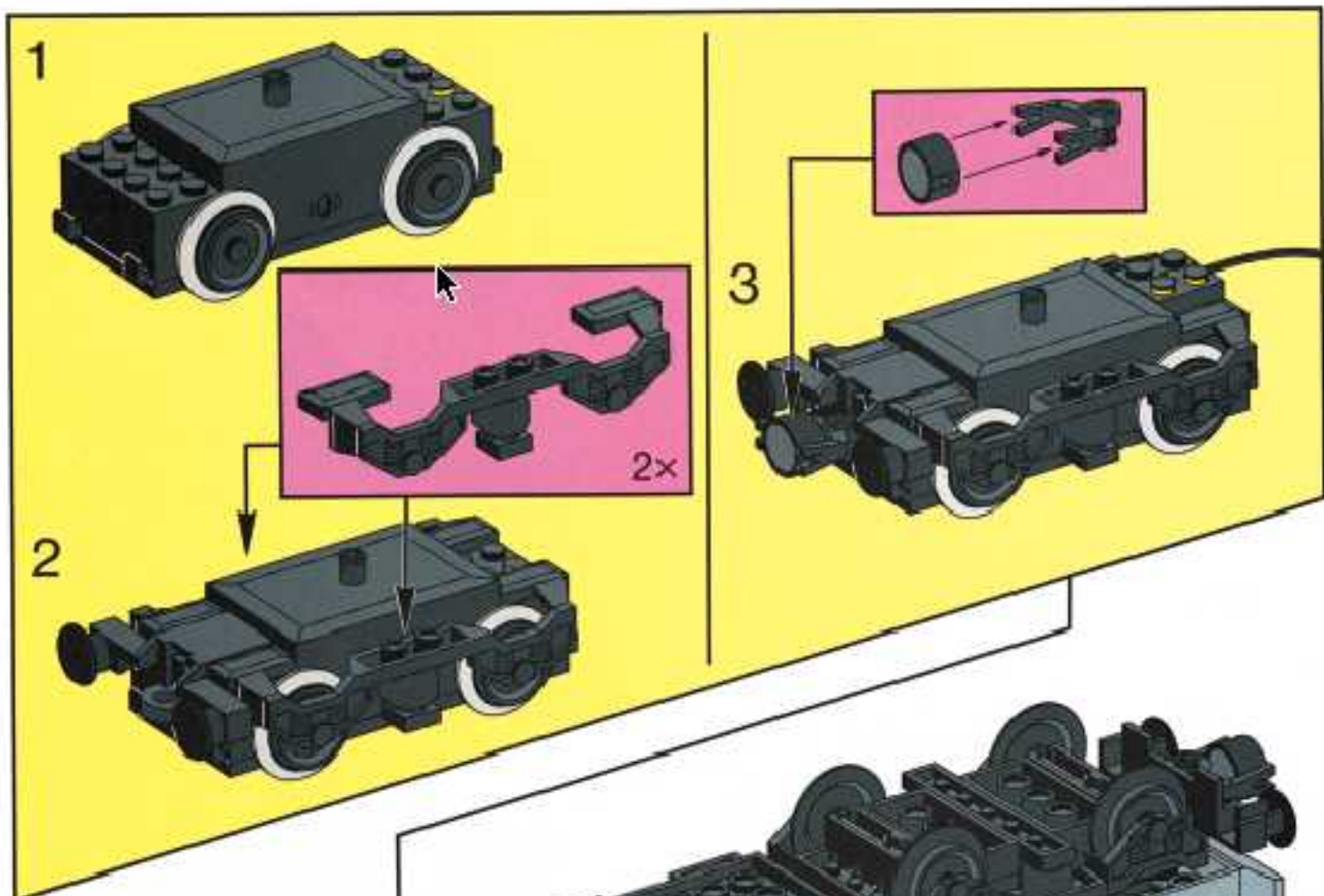






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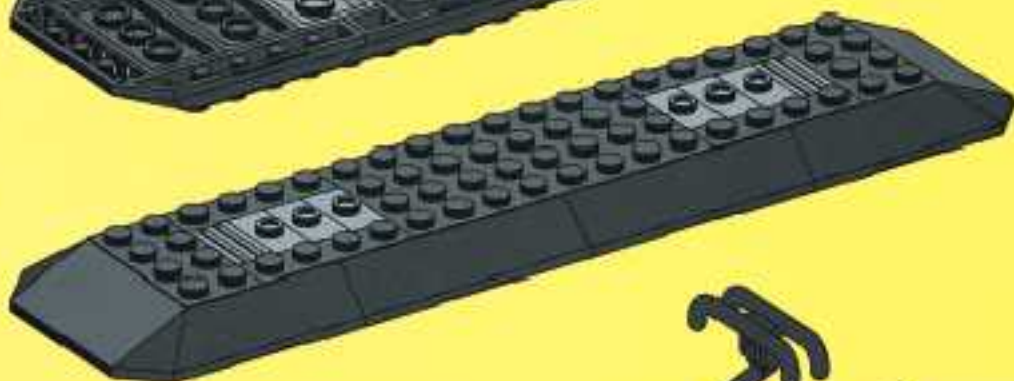
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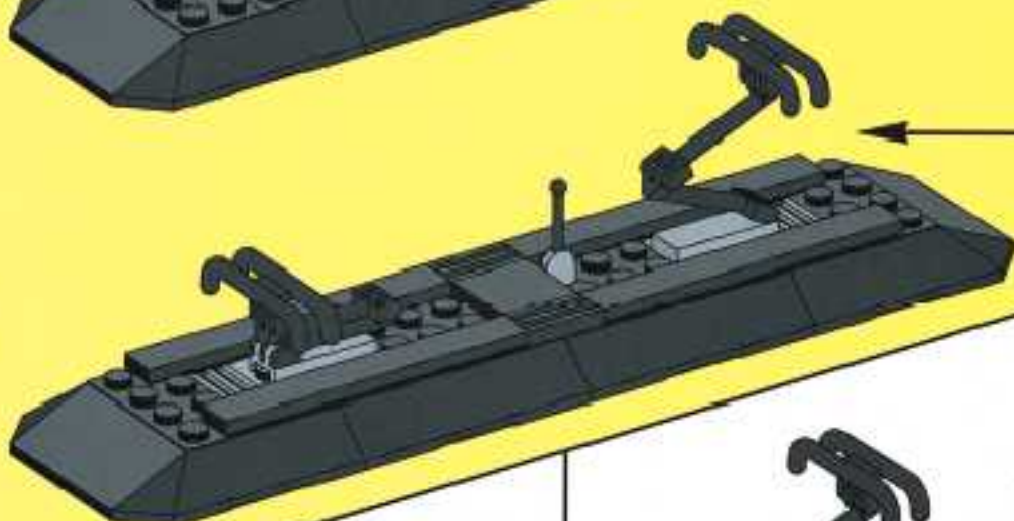
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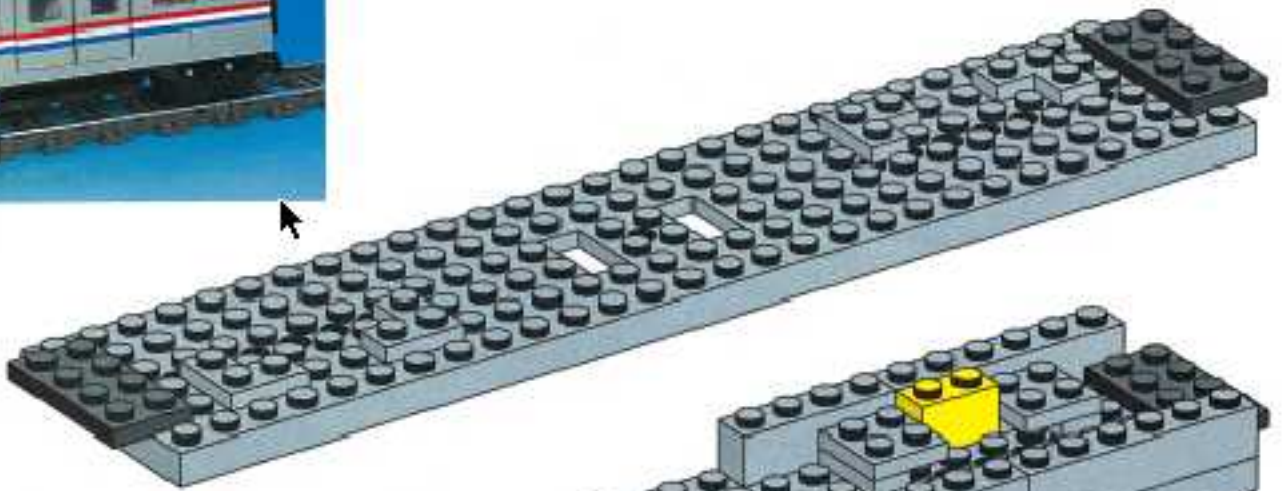


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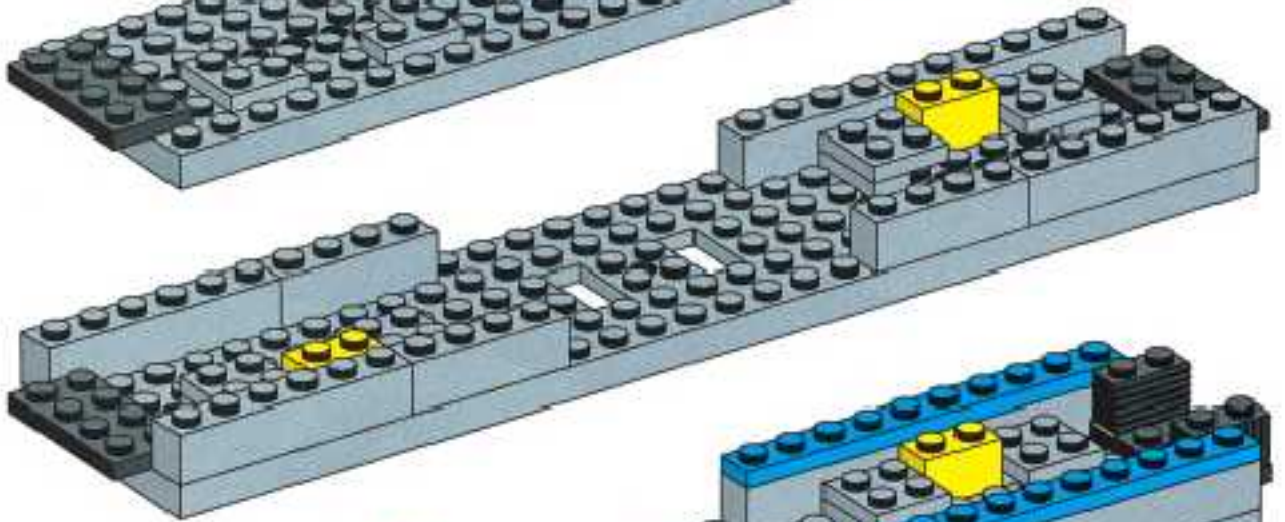




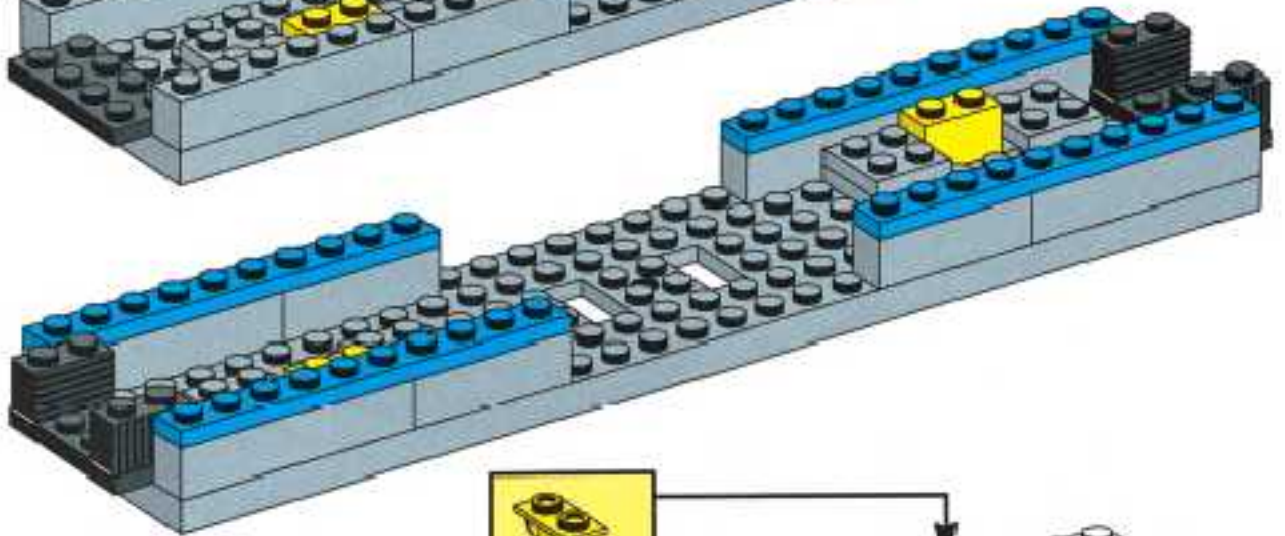
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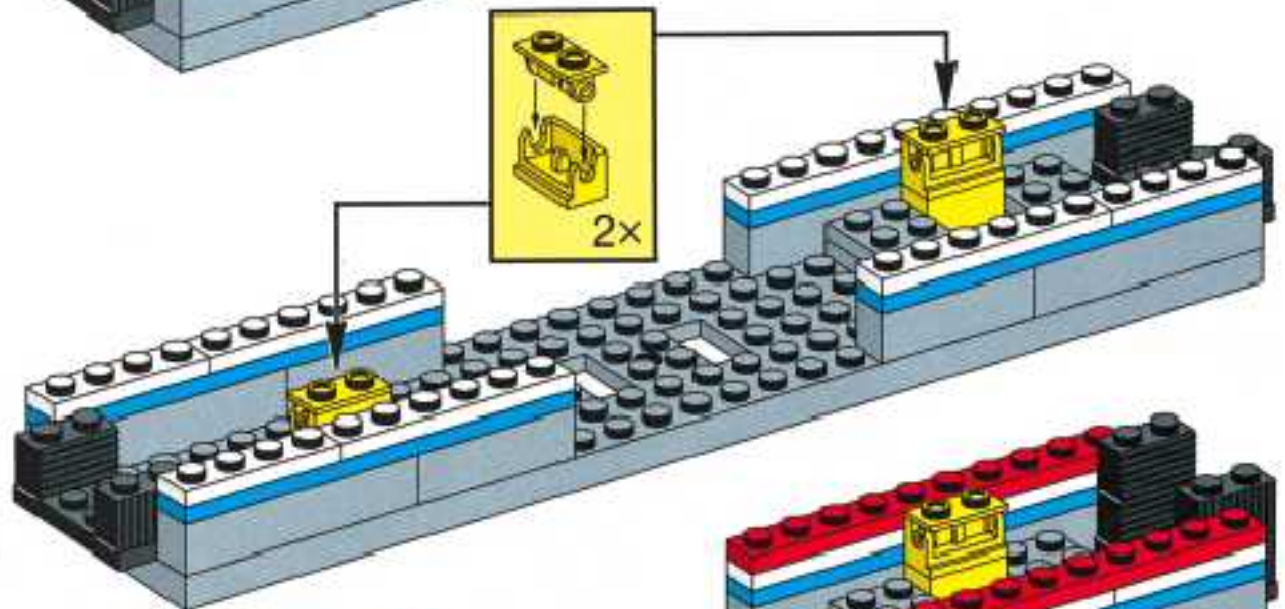
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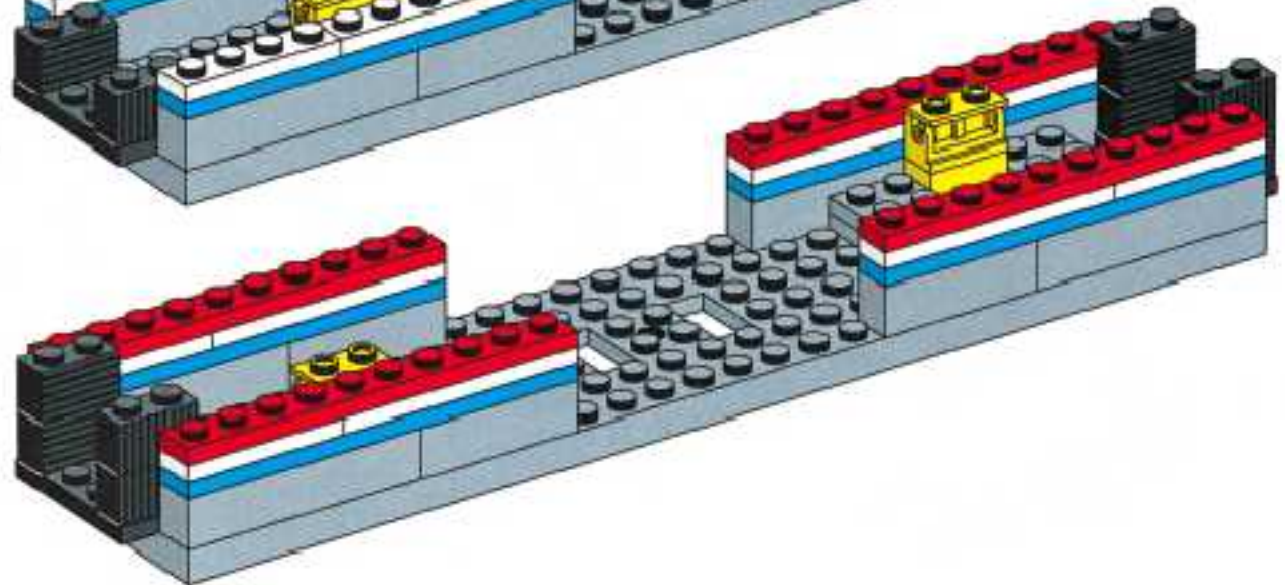
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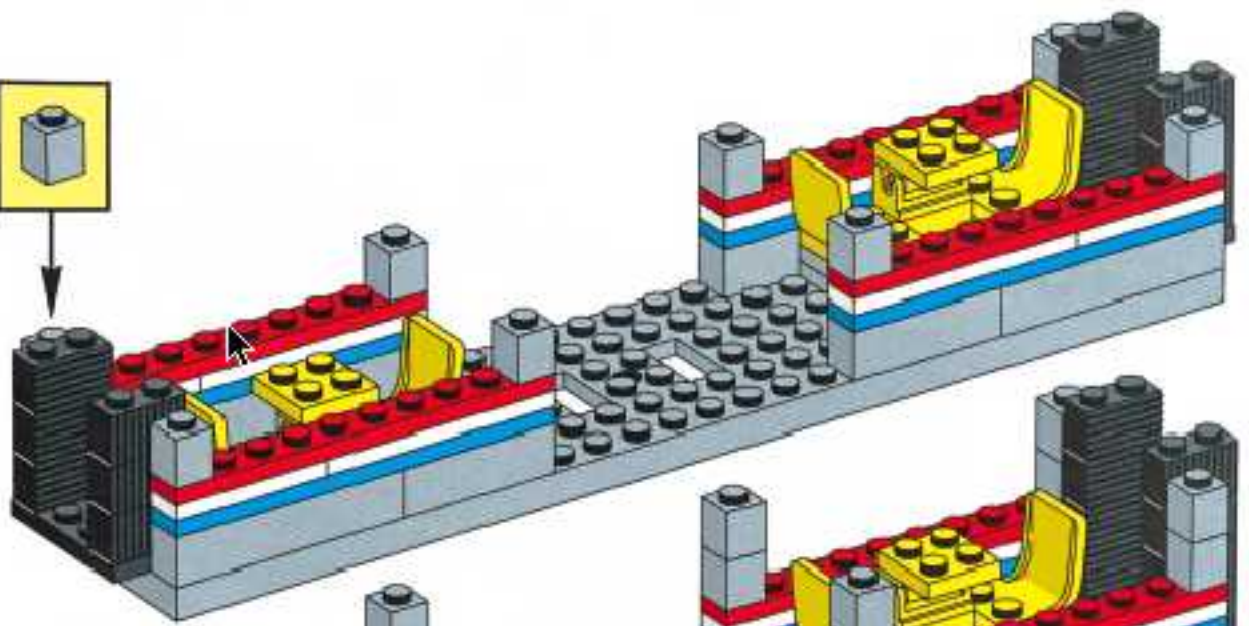
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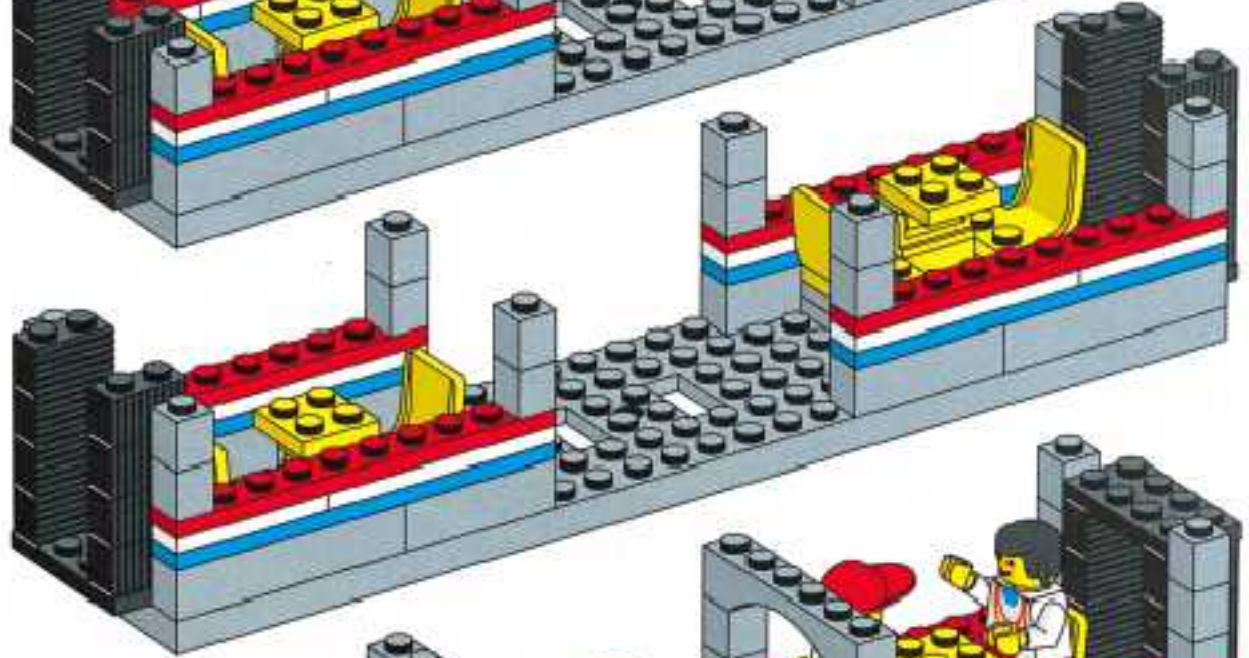
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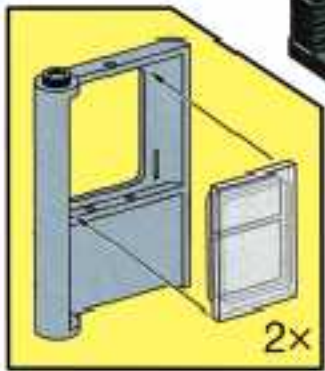
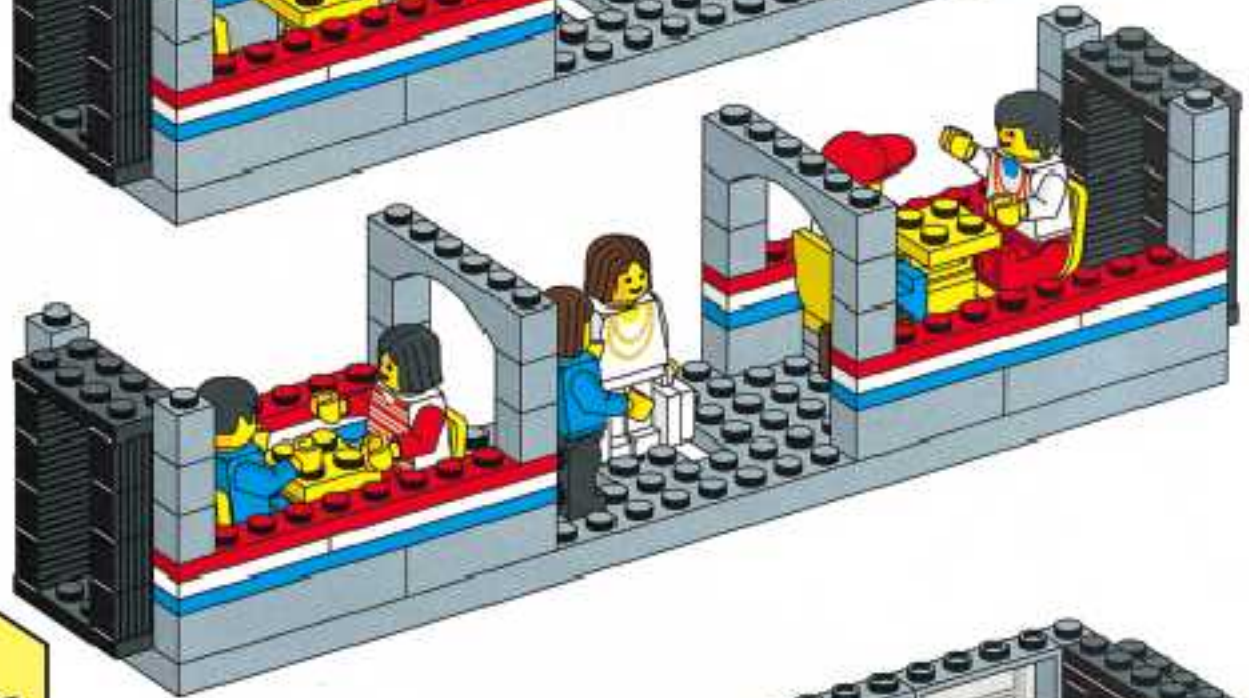
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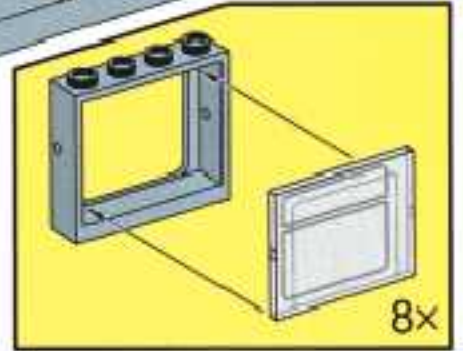
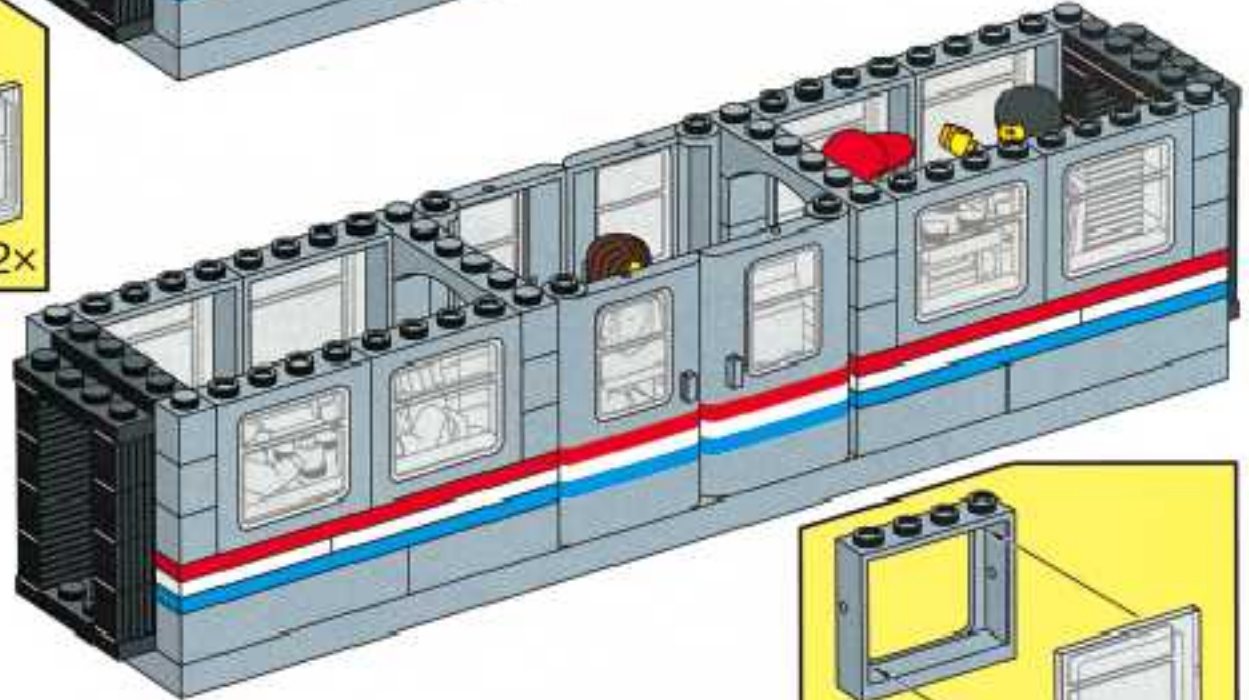
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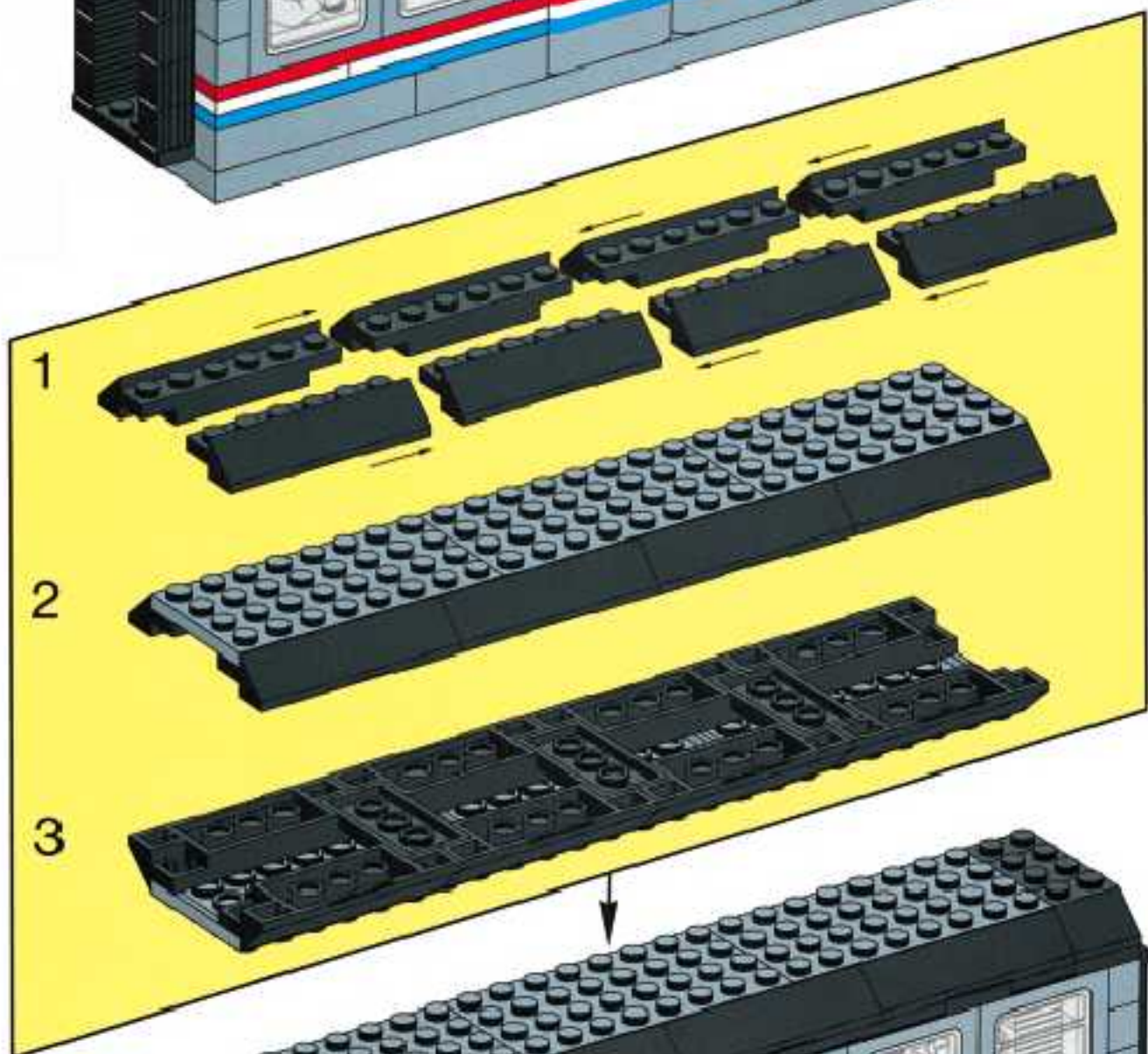
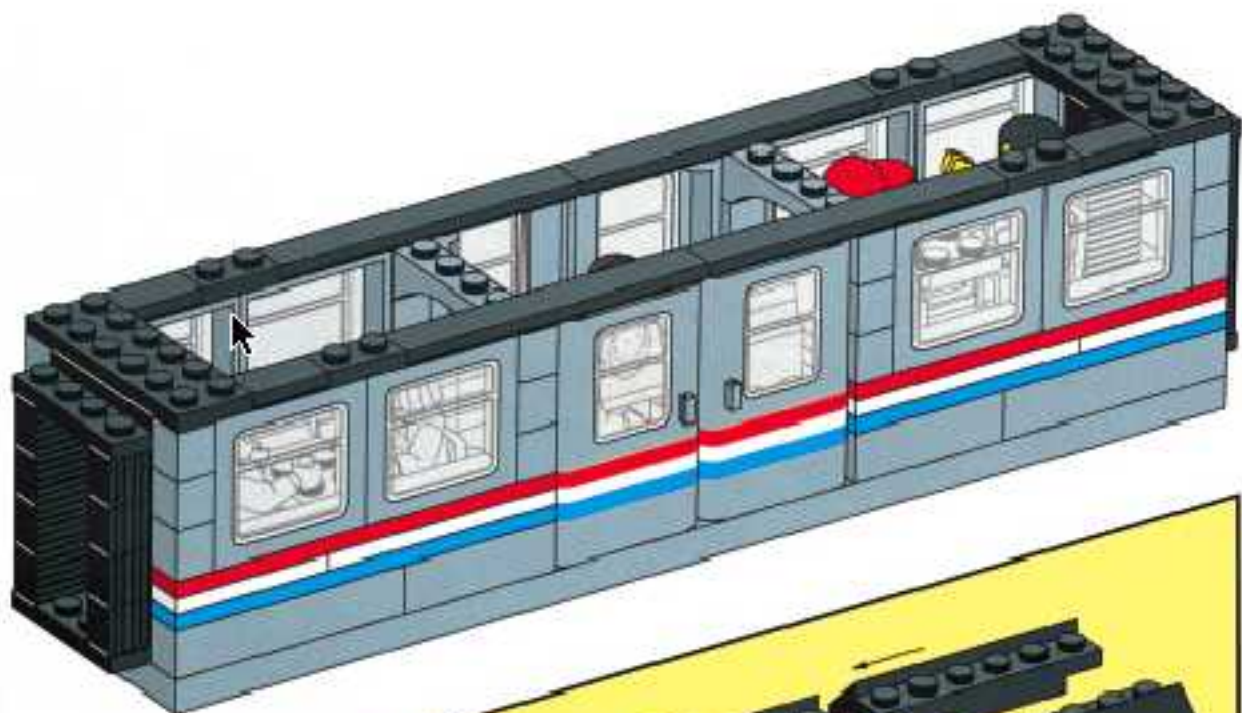
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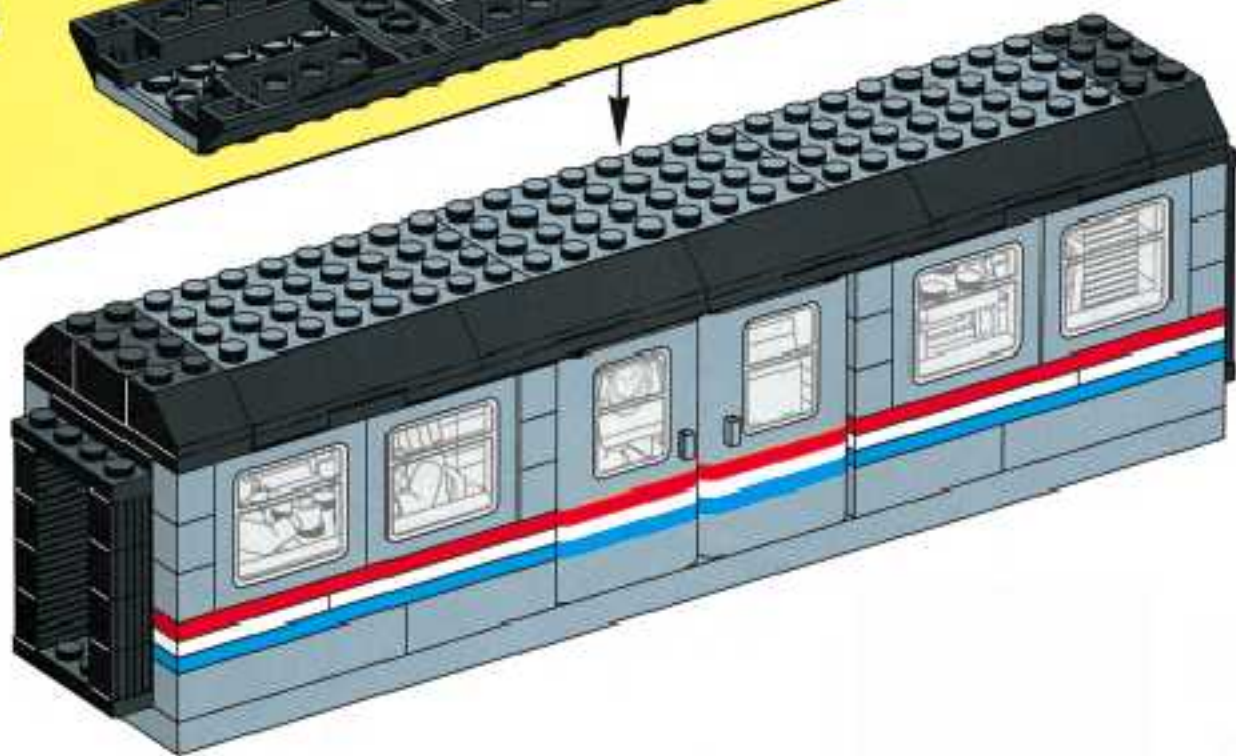
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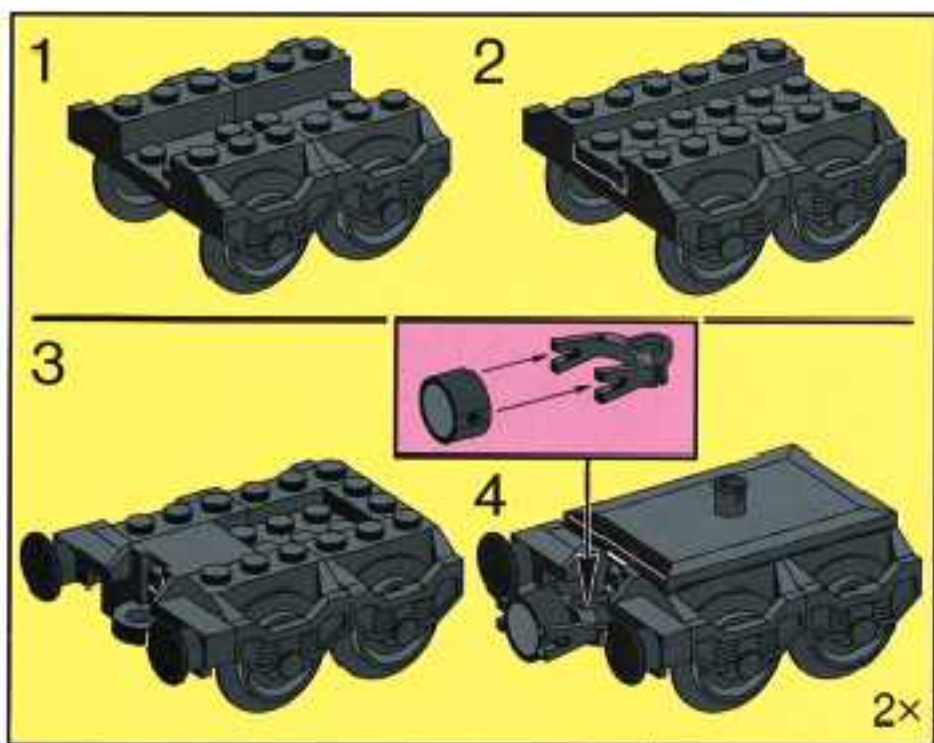
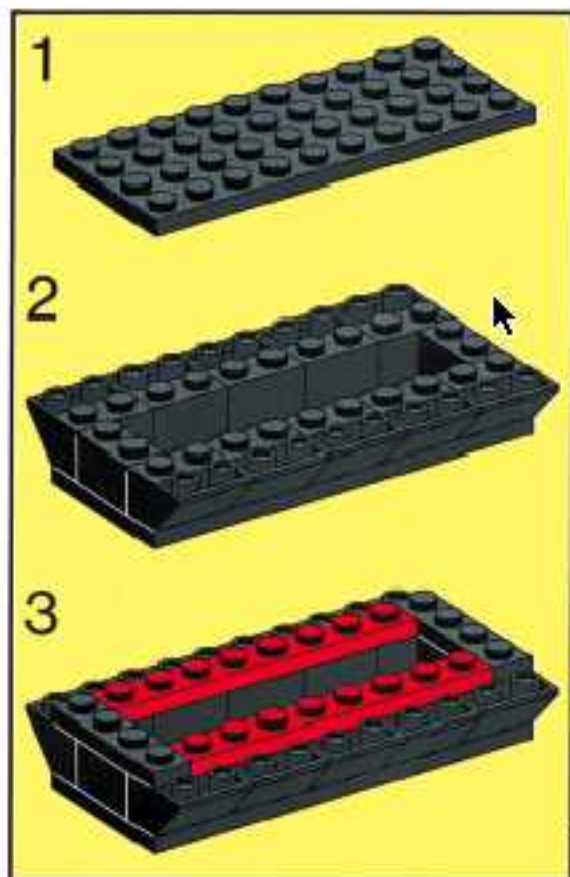


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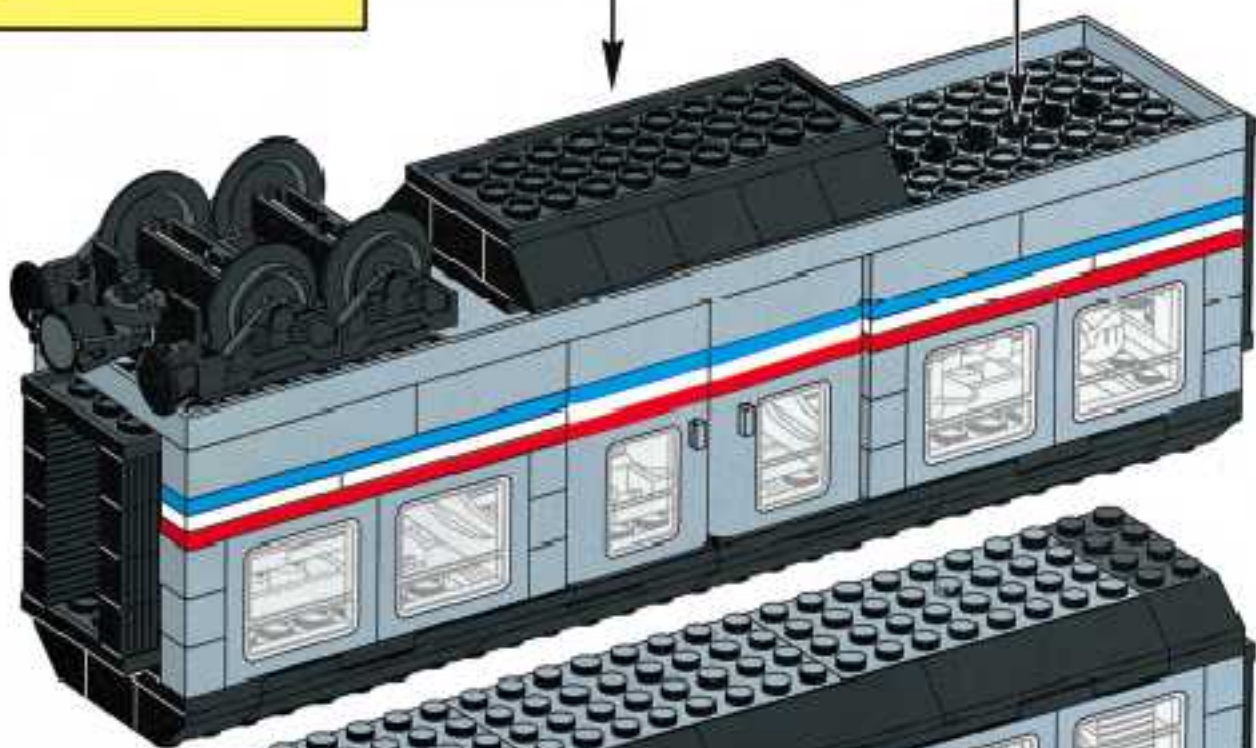


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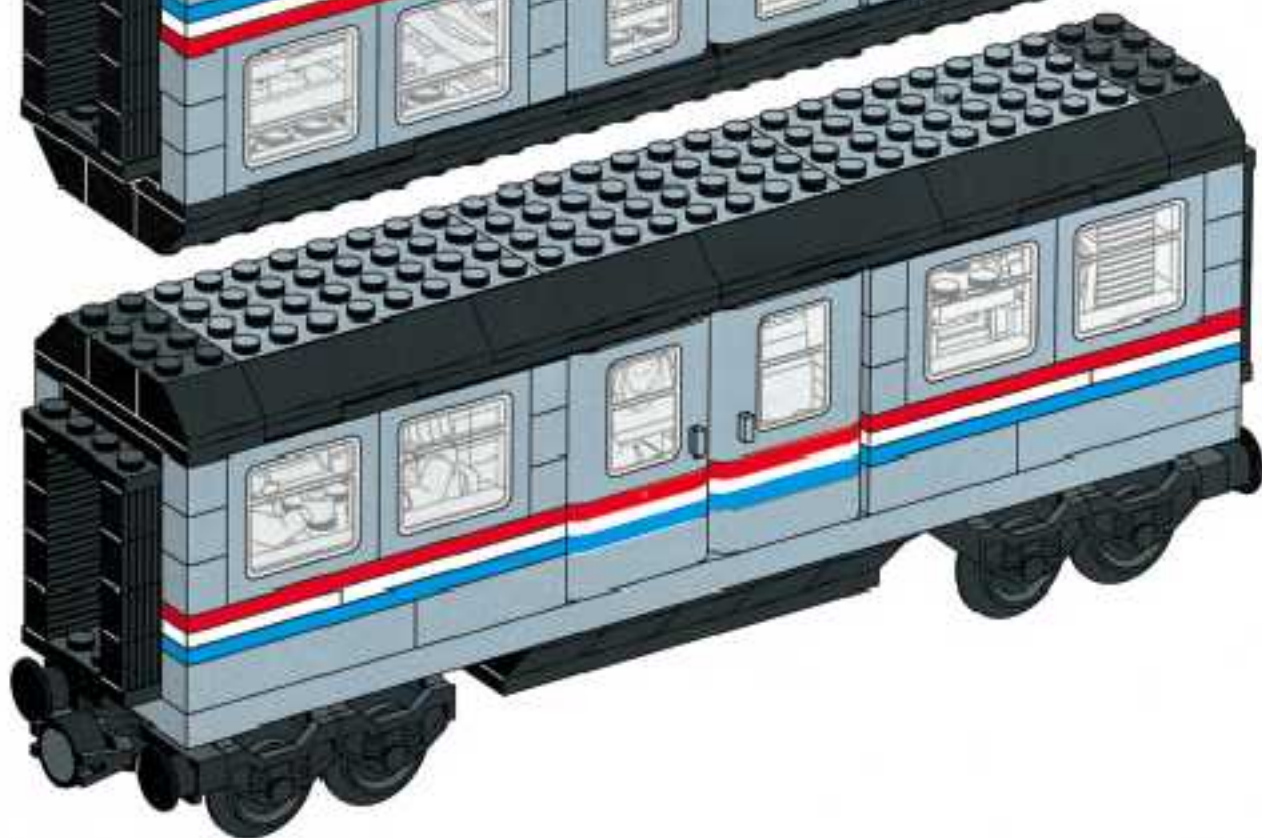




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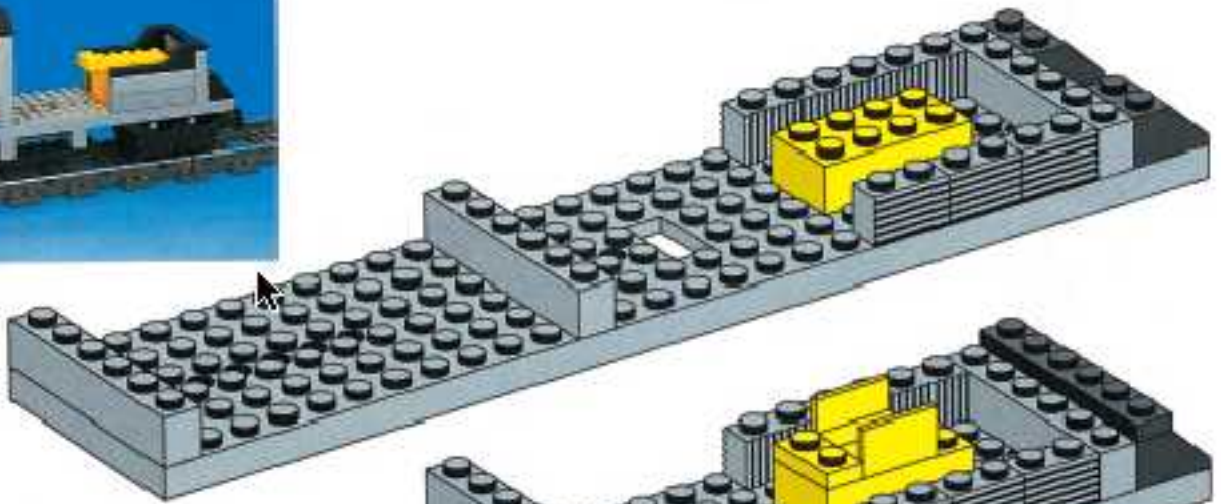


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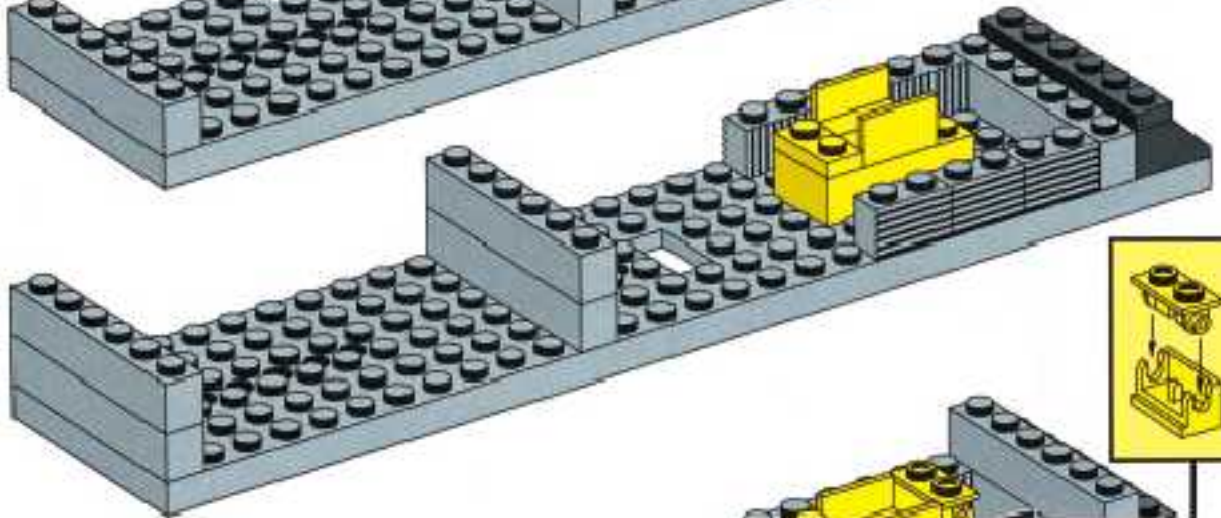




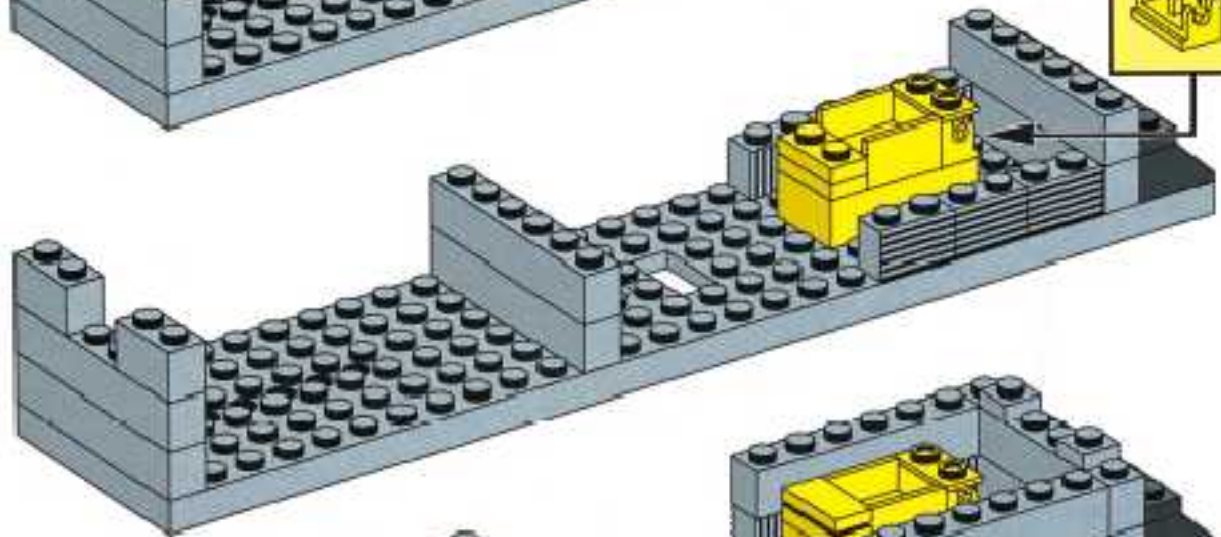
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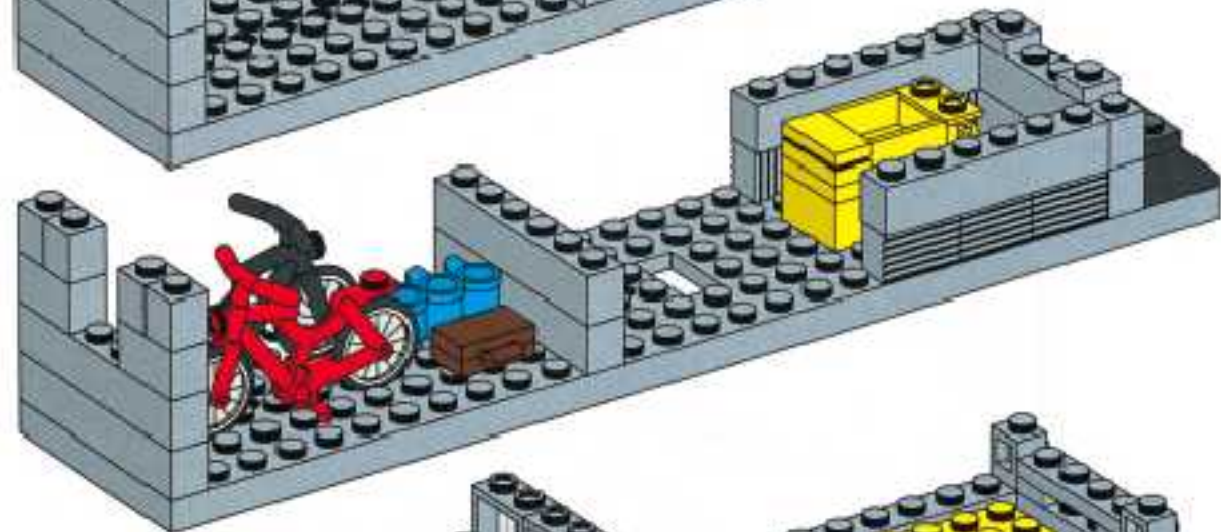
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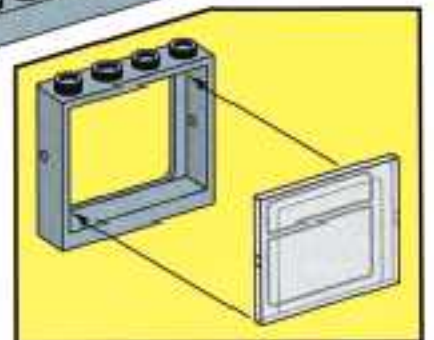
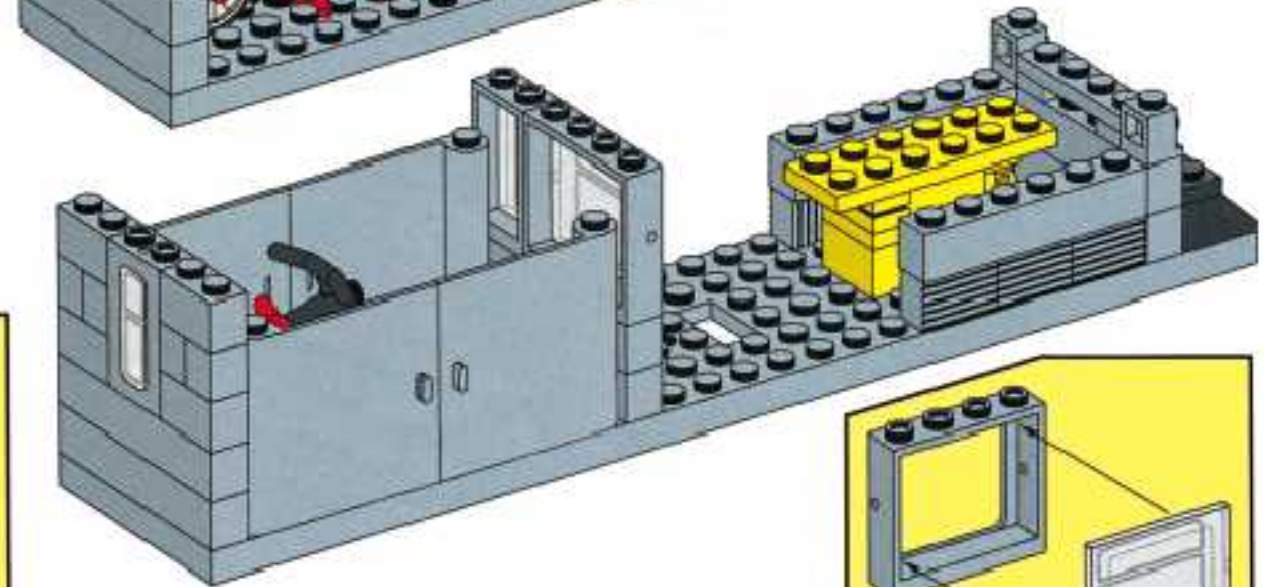
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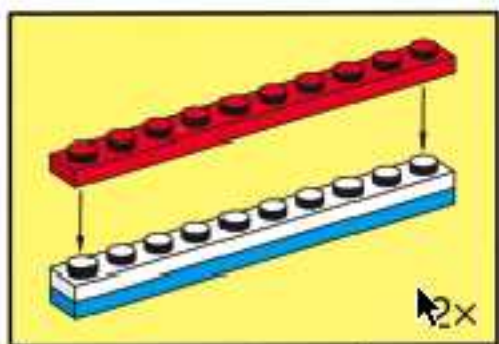


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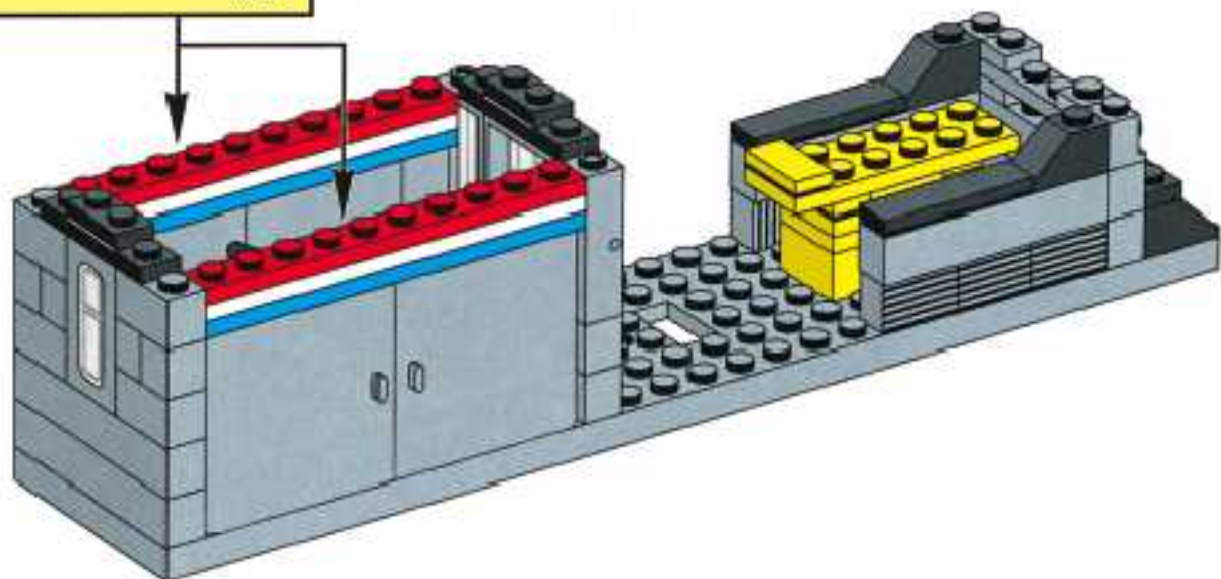


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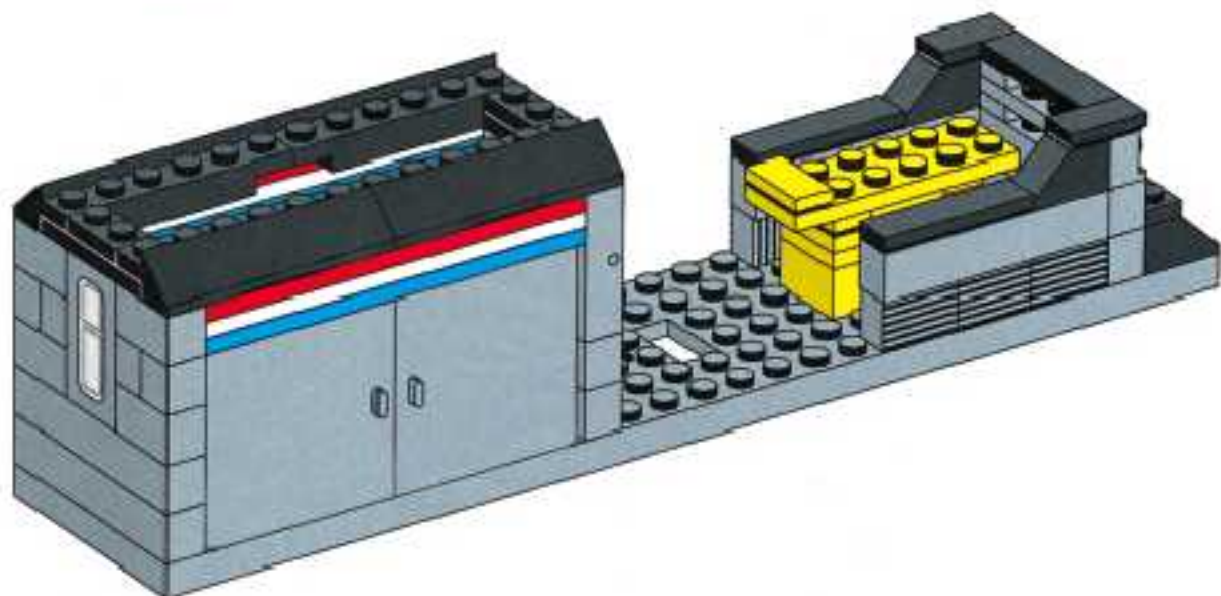




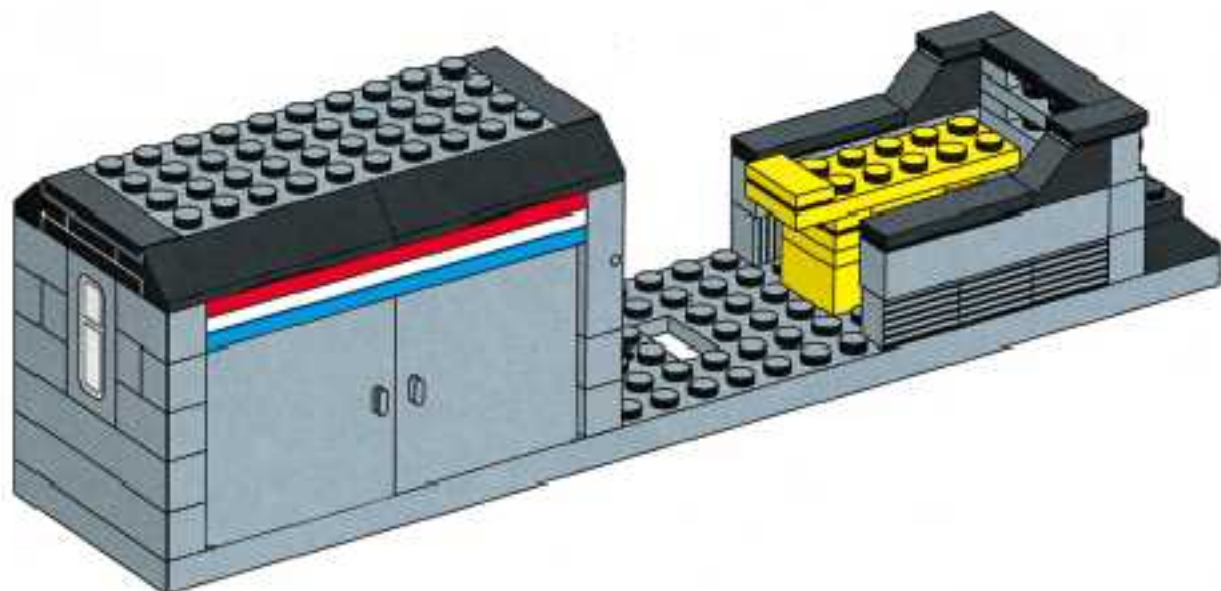
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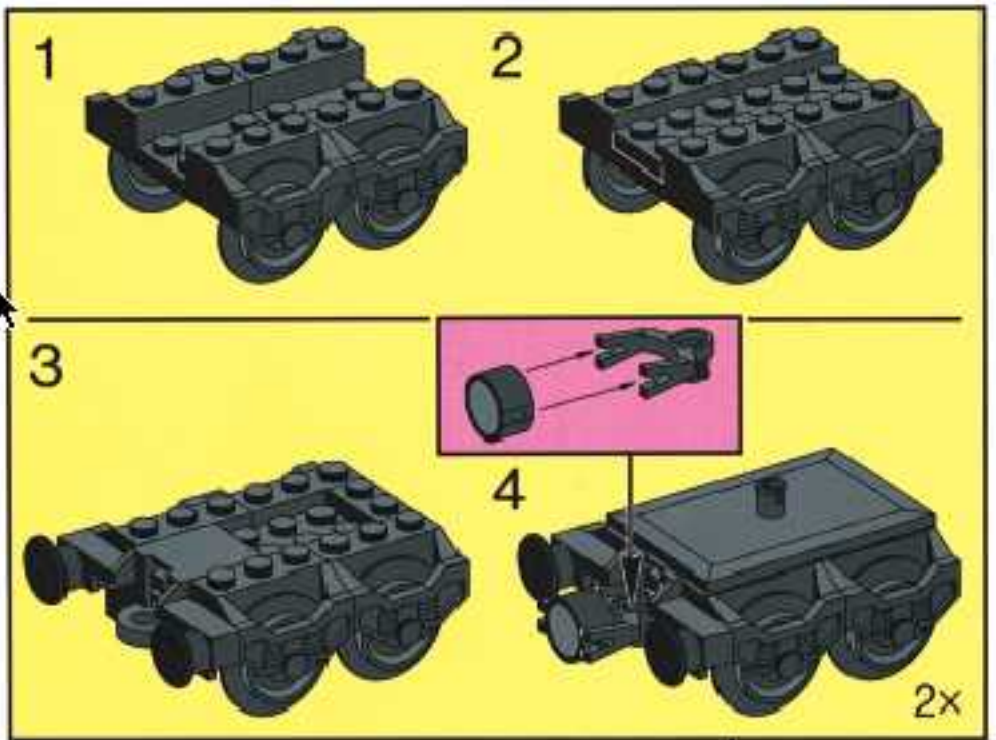
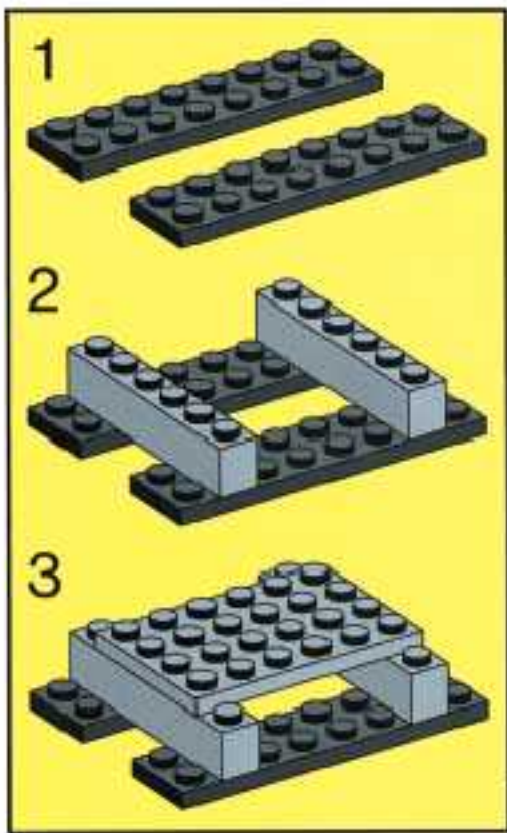


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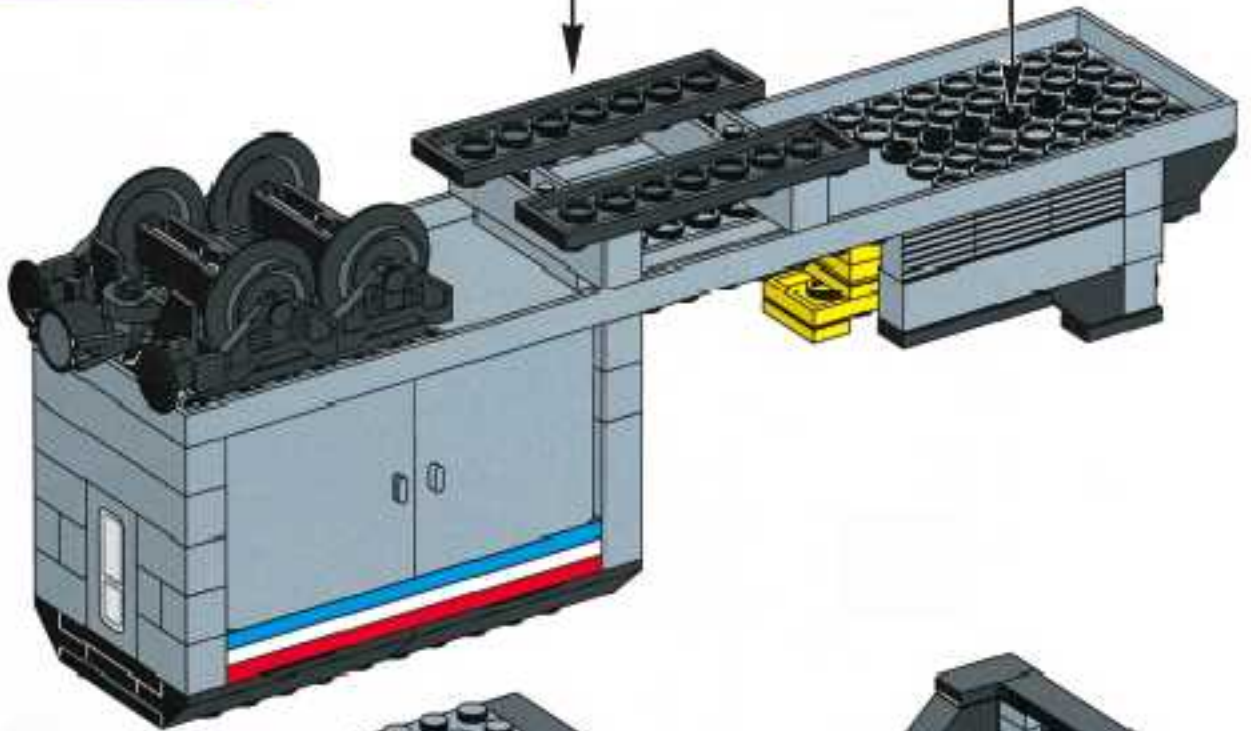


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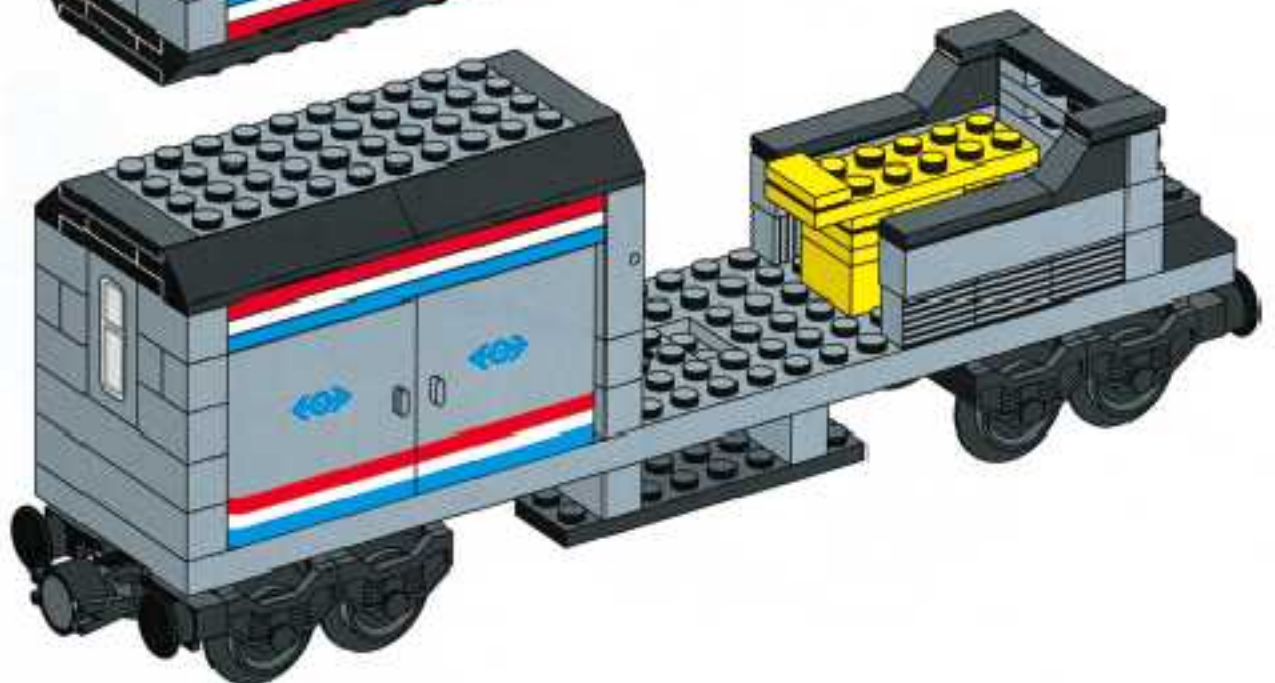




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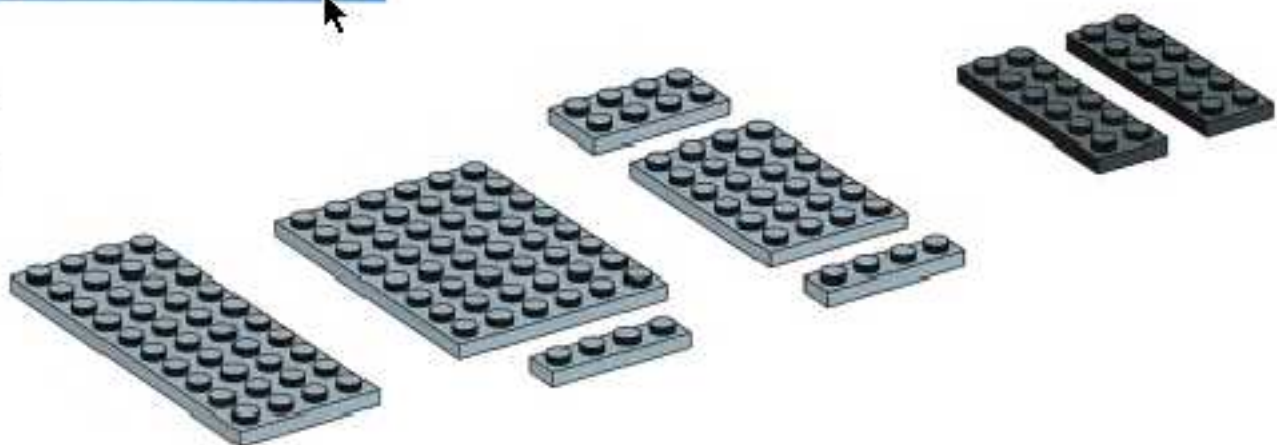


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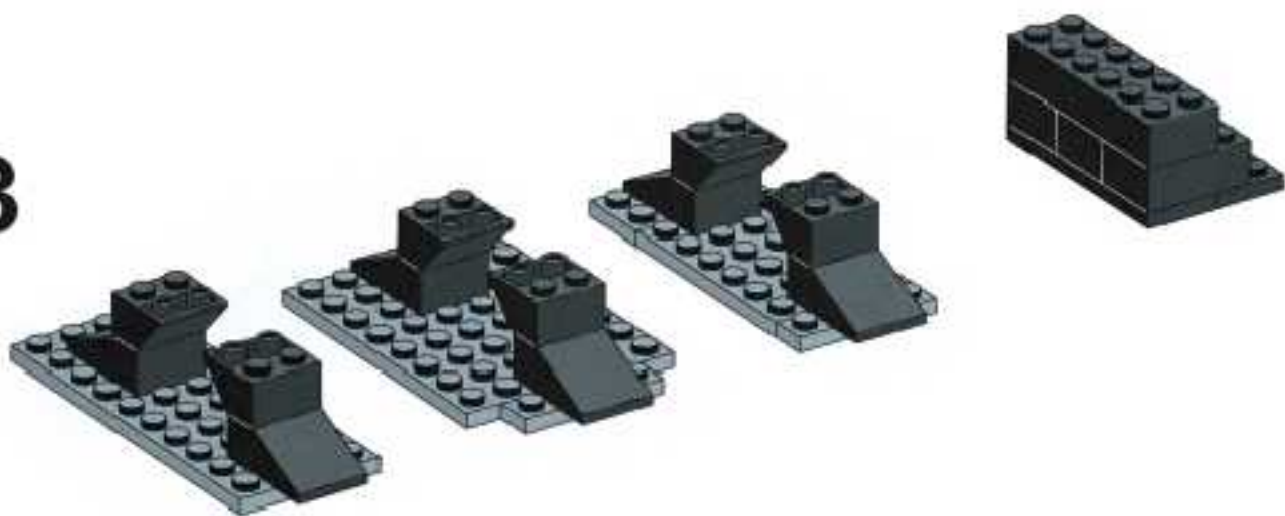
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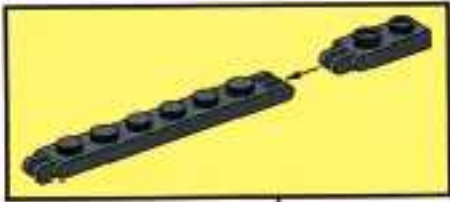


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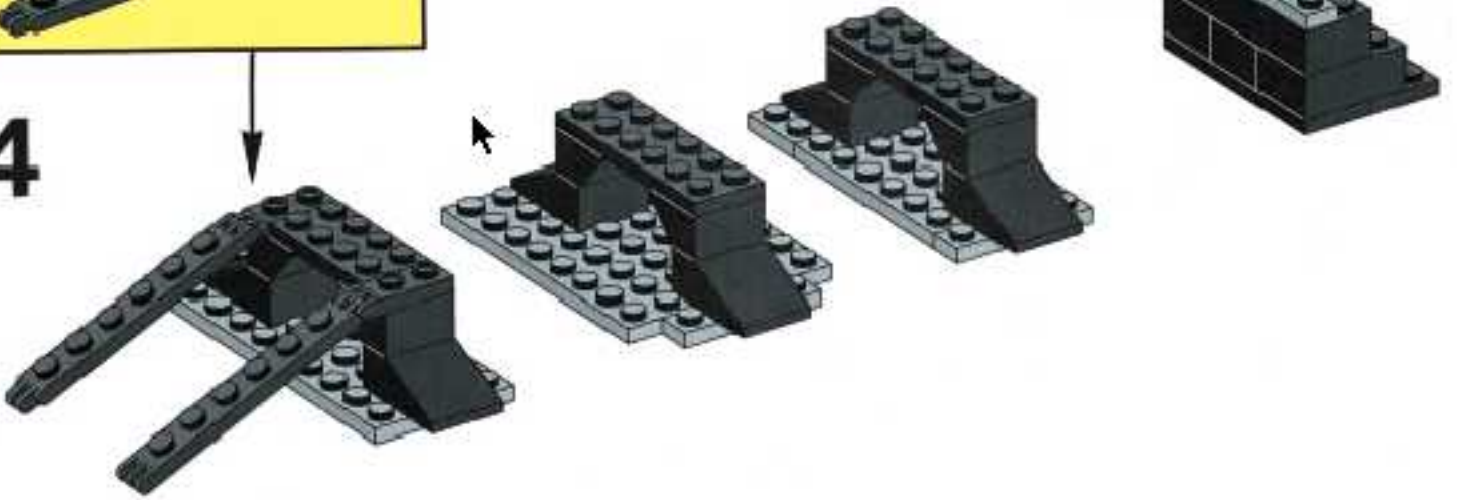


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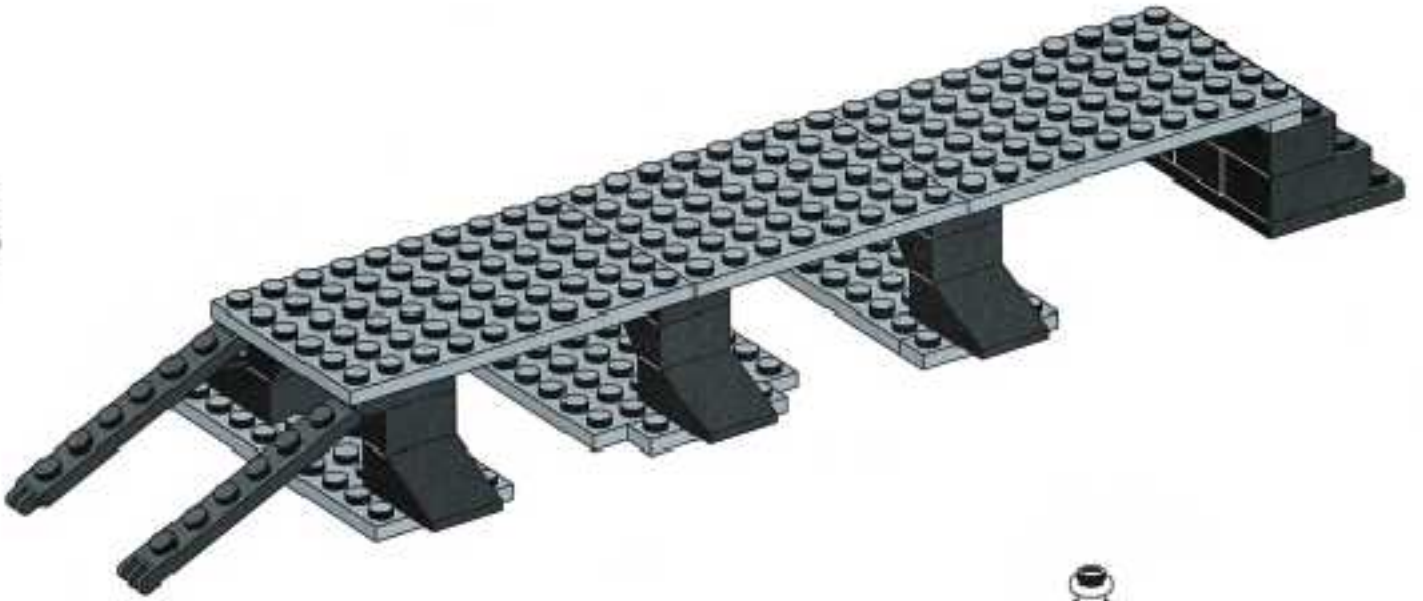




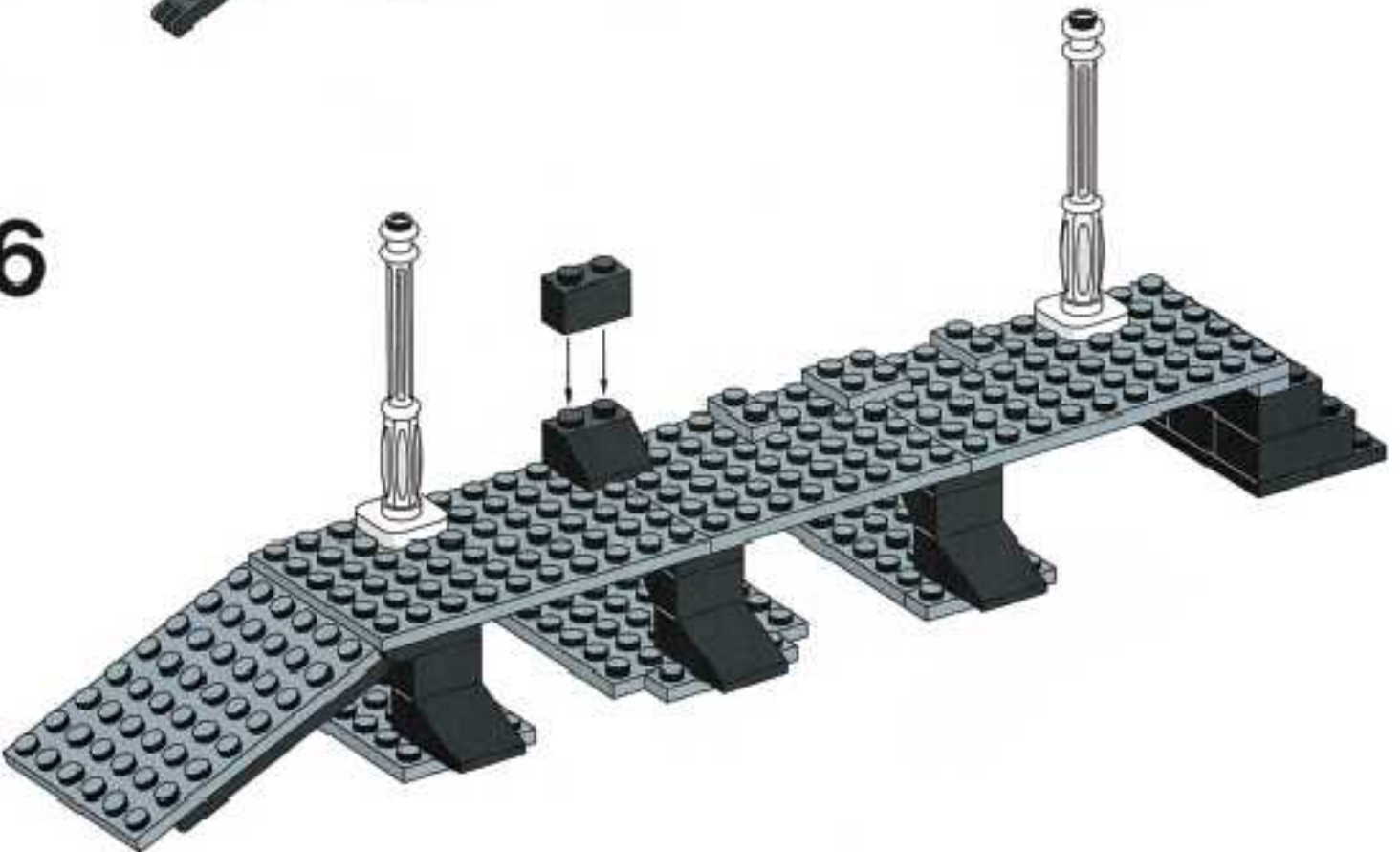
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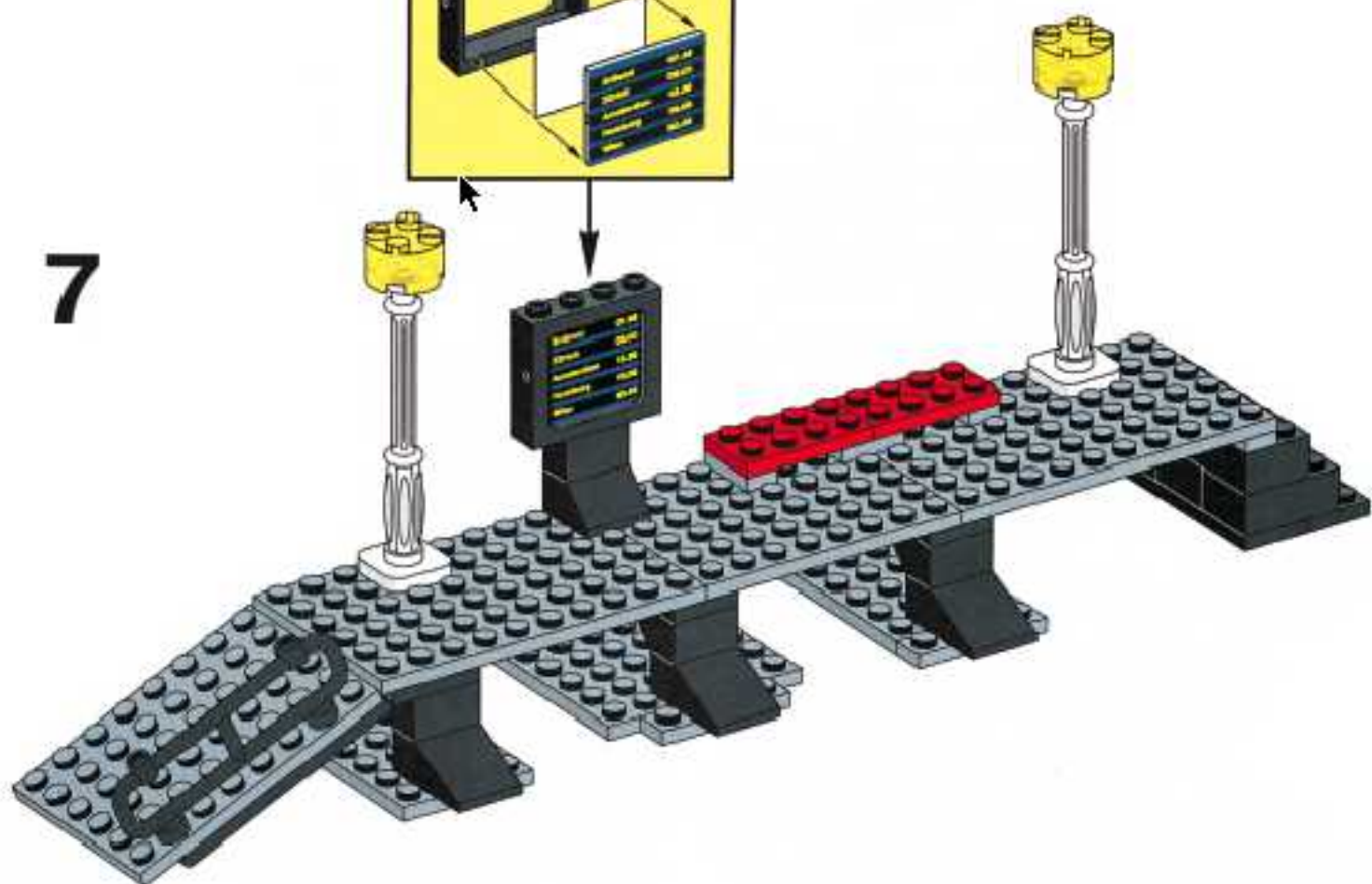
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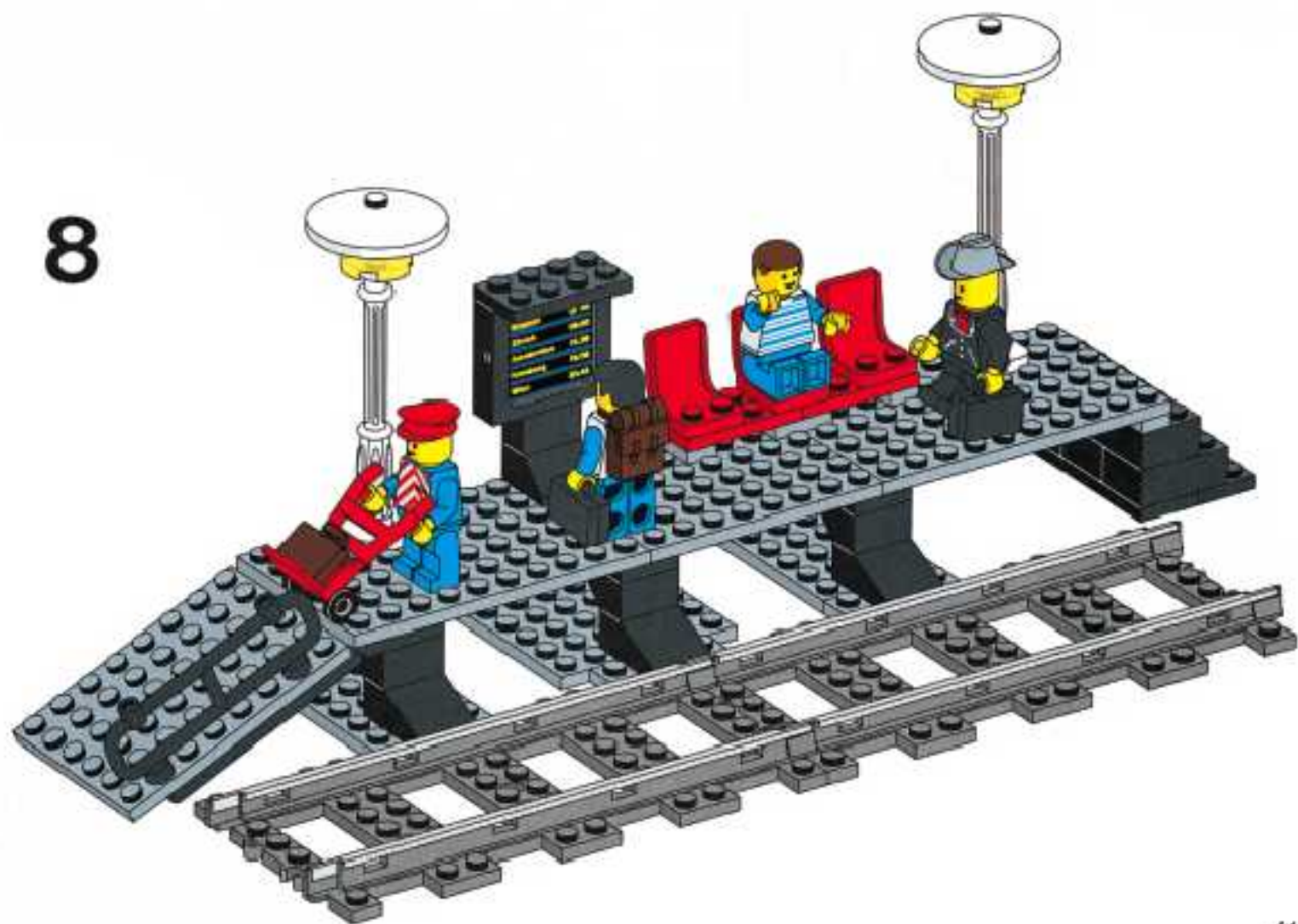
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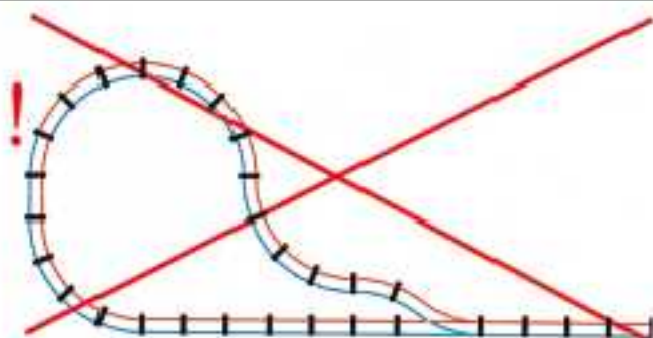


7



8





Germany Einige Gleislänge, z.B. die oben abgebildete, verursachen einen Kurzschluss! Wenn die Gleise kurzgeschossen sind, schaltet sich die grüne Kontrollleuchte des LE GO Fahngleises aus, bzw. leuchtet nur sehr schwach. Der Zug kann dann nicht fahren. Du kannst leicht feststellen, ob Dein Schienen-eis kurzgeschlossen ist, indem Du mit zwei verschiedenen Farben an der äußeren bzw. inneren Schiene entlang gehst. Treffen beide Farben auf derselben Schiene zueinander, ist das Schienen-eis kurzgeschlossen.

Italy A'cuni allunghe del circuito ferroviario è volt cortocircuito (causare un corto circuito). Vedi il diagramma a fondo pagina). In caso di corto circuito la luce verde sul regolatore di velocità (speed regulator) è spenta o molto debole o il treno non parte. È possibile accendere in questa punto con un corto circuito facendo in modo che due colori diversi corrispondano rispettivamente a binario esterno e a quello interno, si avrà il corto circuito se due colori si incontrano sullo stesso lato.

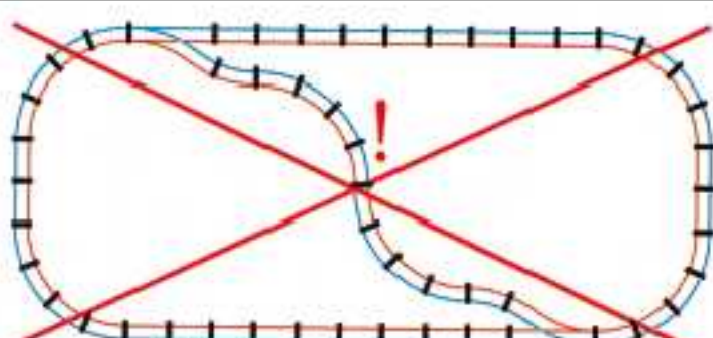
France Certains circuits de train à V peuvent provoquer un court-circuit - comme ceux montrés ici, par exemple. En cas de court-circuit, le témoin lumineux sur le régulateur de vitesse sera éteint ou très faible et le train ne pourra pas. Pour vérifier qu'un circuit peut fonctionner, dessinez votre réseau en prenant deux couleurs différentes pour le rail interne et le rail externe. Il y aura court-circuit si les deux couleurs se rejoignent sur la même côté.

Hungary Szomszédos pályaszakaszoknál a két színes pályán történő köztulajdonosítások, bizonyos esetekben rövidre zárnak. Azoknál a pályaszakaszoknál, ahol a két színű pálya egymás mellett nem a kívánt irányban fut, a két színű pálya egymás mellett találkozik. Ekkor a sebesség szabályozó lámpája nem világít, vagy csak nagyon gyöngylik. Ha a két színű pálya egymás mellett találkozik, akkor rövidre zárnak.

Spain A algunas instalaciones de vías paralelas de VV producen cortocircuitos, como por ejemplo las que aquí se muestran. Si se produce un cortocircuito en la instalación, la lámpara verde de la unidad de regulación de velocidad estará apagada o tendrá una luz muy tenue, por lo que el tren no podrá funcionar. Tú mismo puedes controlar dónde se produce el cortocircuito, dejando que dos distintos colores de la vía exterior e interior de las vías. Allí donde los dos colores se unen es donde se produce el cortocircuito.

Denmark Nogle opbygninger af VV togbaner vil forårsage kortslutning. I alle de, der er vist her. Hvis banen er kortsluttet, er den grønne lampe på reguleringsenheden slukket, eller vil lyse meget svagt, og toget kan ikke køre. Du kan selv kontrollere hvor din banopbygning kortslutter ved at lade 2 forskellige farver løbe hen ad jeresse og inderside spurspore. Hvis de to farver mødes på samme side, kortslutter banen.

UK Short circuiting will result from some lay outs of the VV railway tracks, e.g. those shown here. If the track has short circuited, the green lamp on the speed regulator will be off, or very weak, and the train will not run. You can check for short circuiting of your track lay-out by allowing two different colours to follow the outer and inner rails. The track will short circuit if the two colours meet on the same side.



Finland Eräät VV-utarausten rakennelmat aiheuttavat oikosulun osittain osittain, josta tassa on kuvattu. Jos näköille näyttää oikosuluksi, ei sääntöyksikön (speed regulator) vihreä lamppu, eikä se ar VV:n vaimo, eikä, una kate. Voit itse tarkistaa oikosulun synnyttävän laulun kädelläsi en varilla u ompaa ja sääntöyksikön kiskoa. Jos nämä kaksi värä kohtaavat samalla kiskolla, on rata oikosulussa.

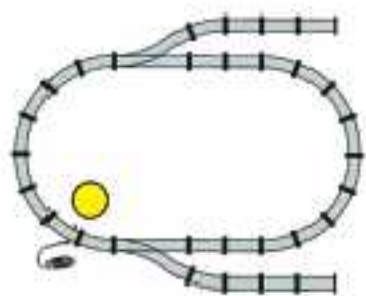
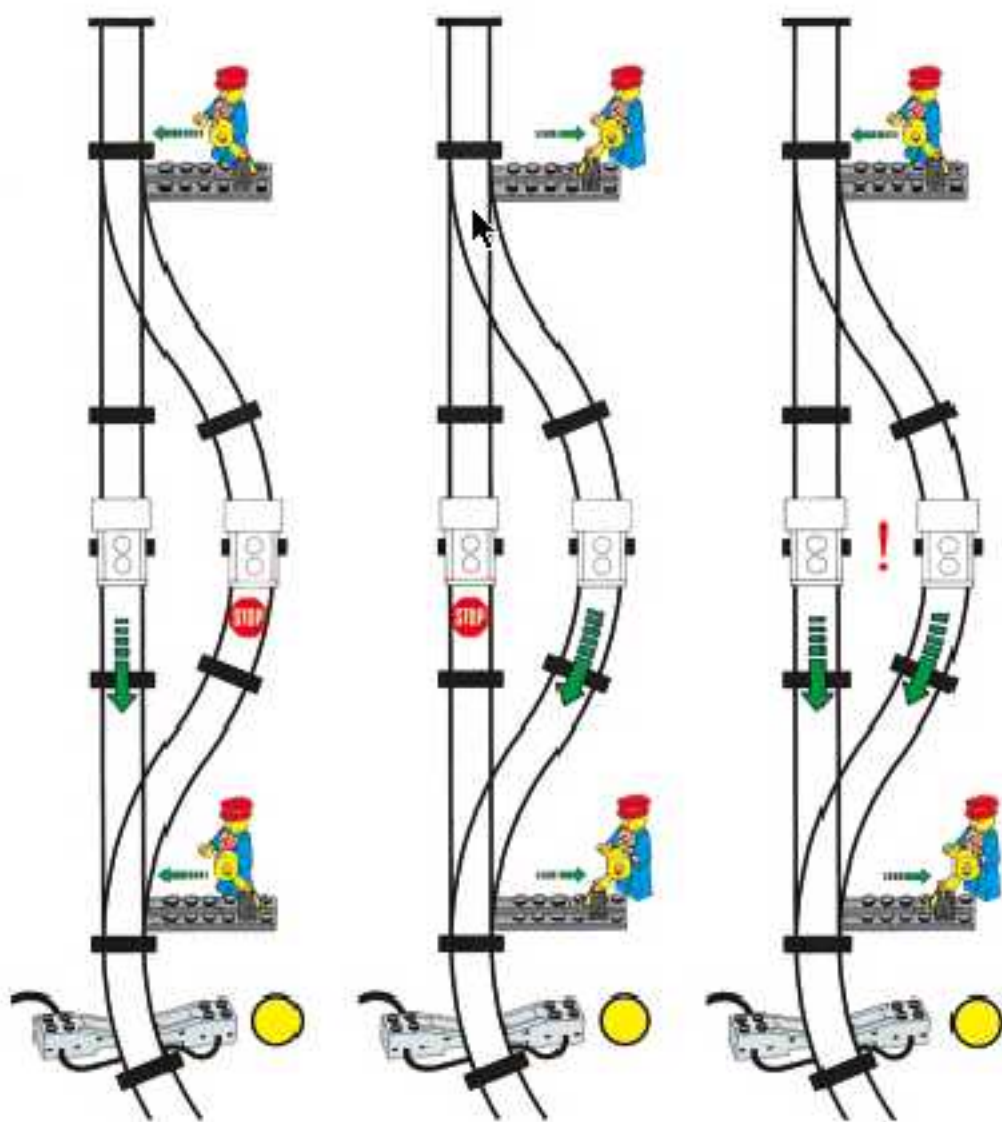
Sweden En del sammanläggningar av VV-bananläggningar kan förorsaka kortslutning, näs sådana som visas här. Om banan blir kortslutning släcks den gröna lampan på varöverensheten (speed regulator) eller också lysar den endast mycket svagt. Tåget kan då inte köra. Du kan själv se hur din bananläggning kortslutar genom att låta två olika färger följa den yttre och den inre spårbanan. Om de två färgerna möter på samma sida uppstår kortslutning på banan.

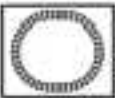
Portugal Algumas construções de vias férreas de VV poderão causar curto-circuito, tal, as que se mostram aqui. Se o via sofrer um curto-circuito, a lâmpada verde da unidade reguladora (speed regulator) apagará ou brilhará com muita força, e o comboio não poderá andar. Você mesmo pode controlar o local de curto circuito na sua própria via, deixando que 2 cores diferentes seguem a linha exterior e interior, respectivamente. Se as duas cores se encontrarem no mesmo lado, a via sofrerá um curto-circuito.

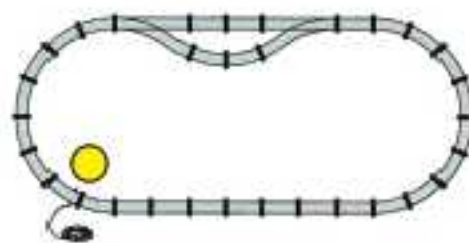
Greek Μερικές διατάξεις των γραμμών του σιδηροδρόμου μπορεί, προκαλών βραχυκύκλωμα, όπως είναι αυτές που φαίνονται στο σχέδιο. Όταν ο γραμμές βραχυκυκλώνουν, το πράσινο φωτάκι στο ρυθμιστή ταχύτητας (speed regulator) θα σβήσει ή θα είναι πολύ αδύναμο και το τρένο, δεν θα τρέξει. Μπορείτε να ελέγξετε πού από μέρος του δικού σας γραμμές βραχυκυκλώνουν χρησιμοποιώντας δύο διαφορετικές χρωματιστές για την εξωτερική και την εσωτερική ράγα. Αν τα δύο χρωματιστά συναντηθούν στην ίδια πλευρά, τότε ο γραμμές βραχυκυκλώνουν.

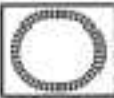
Japan レールのレイアウトの仕方により、電線の回路がショートする場合があります。これは図例に示したレイアウトをした場合、ショートしてしまいます。これは、ポイントの接続の仕方が間違っている例です。区路がショートした場合は、スピードレギュレーターの緑色のライトが点滅するか、暗くなり列車は止まります。

如果轨道的布置方式不当，可能会导致电路短路。例如图中所示的轨道布置方式，就容易出现短路的情况。这是因为，在道岔的连接方式上出现了错误。如果轨道短路，速度调节器的绿色灯光会闪烁或者变暗，列车就会停止运行。

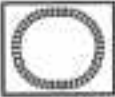


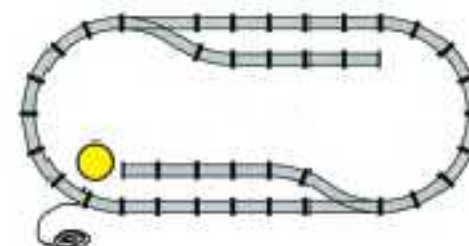
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 $+1 \times 4531$
 $+1 \times 4515$

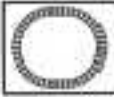


$1 \times$ 
 $+1 \times 4531$
 $+1 \times 4515$



$1 \times$ 
 $+1 \times 4531$
 $+1 \times 4520$



$1 \times$ 
 $+1 \times 4531$
 $+2 \times 4515$

