

PROMAX MC520

ENGINEERING

MC520

MOBILE CONVEYOR

Hydraulic Head Fold Fitting Guide



Promax
Engineering Ltd 

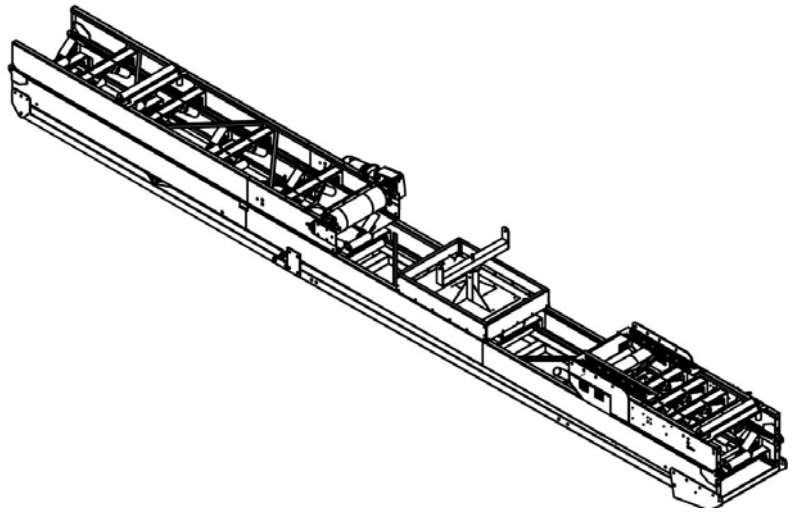
PROMAX MC520

ENGINEERING

STEP ONE

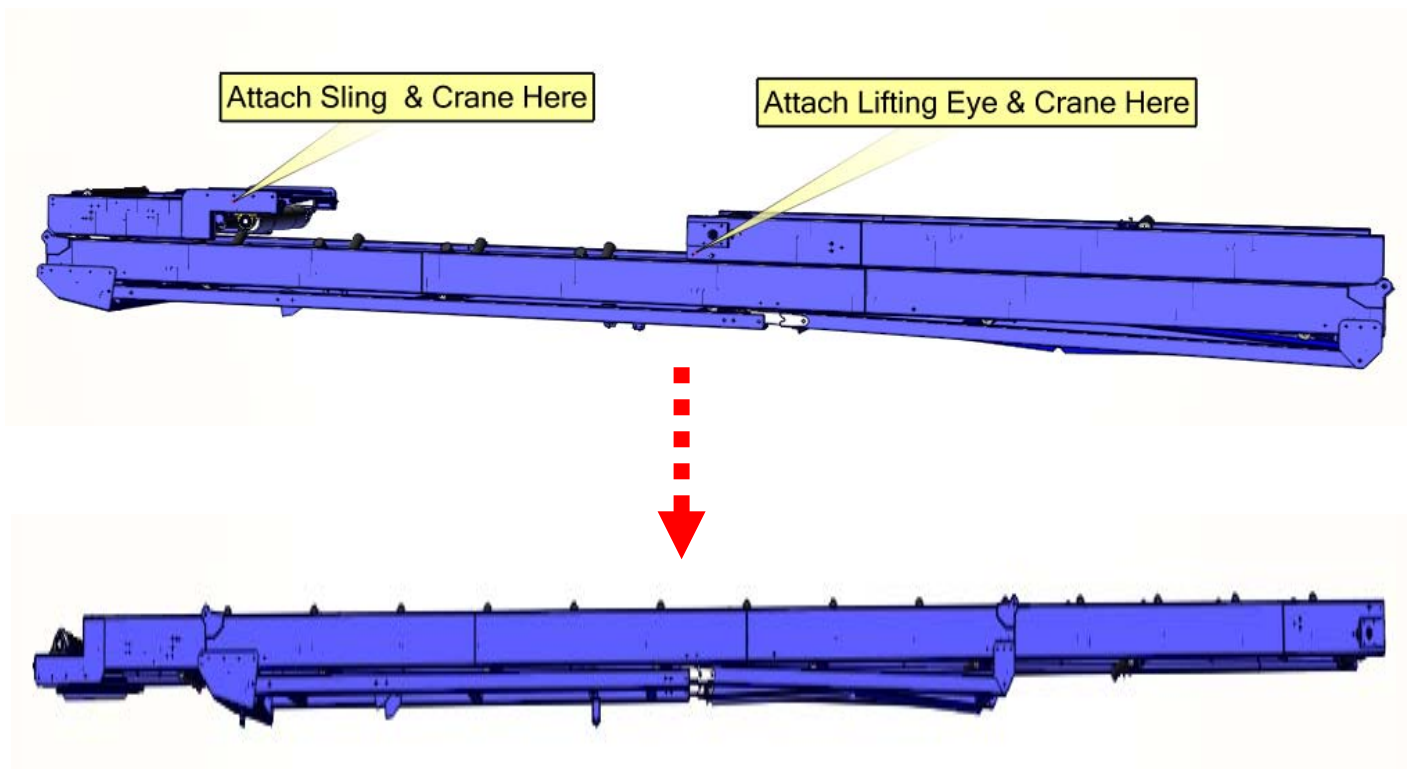
Remove all items from conveyor;

1. Axle
2. Feedboot Extensions
3. Ballast Box
4. Head Drum Guard
5. Coupling Hose Kit
6. Control Valve Assembly
7. Head Drum Motor Assembly
8. Conveyor Support Brace
9. Main Axle Assembly
10. Wheels
11. Belt Scraper Assembly



STEP TWO

Attach lifting eyes and slings to points highlighted in the below illustration. Fold Head and Tail Section to operating position. Secure in position with bolts provided.

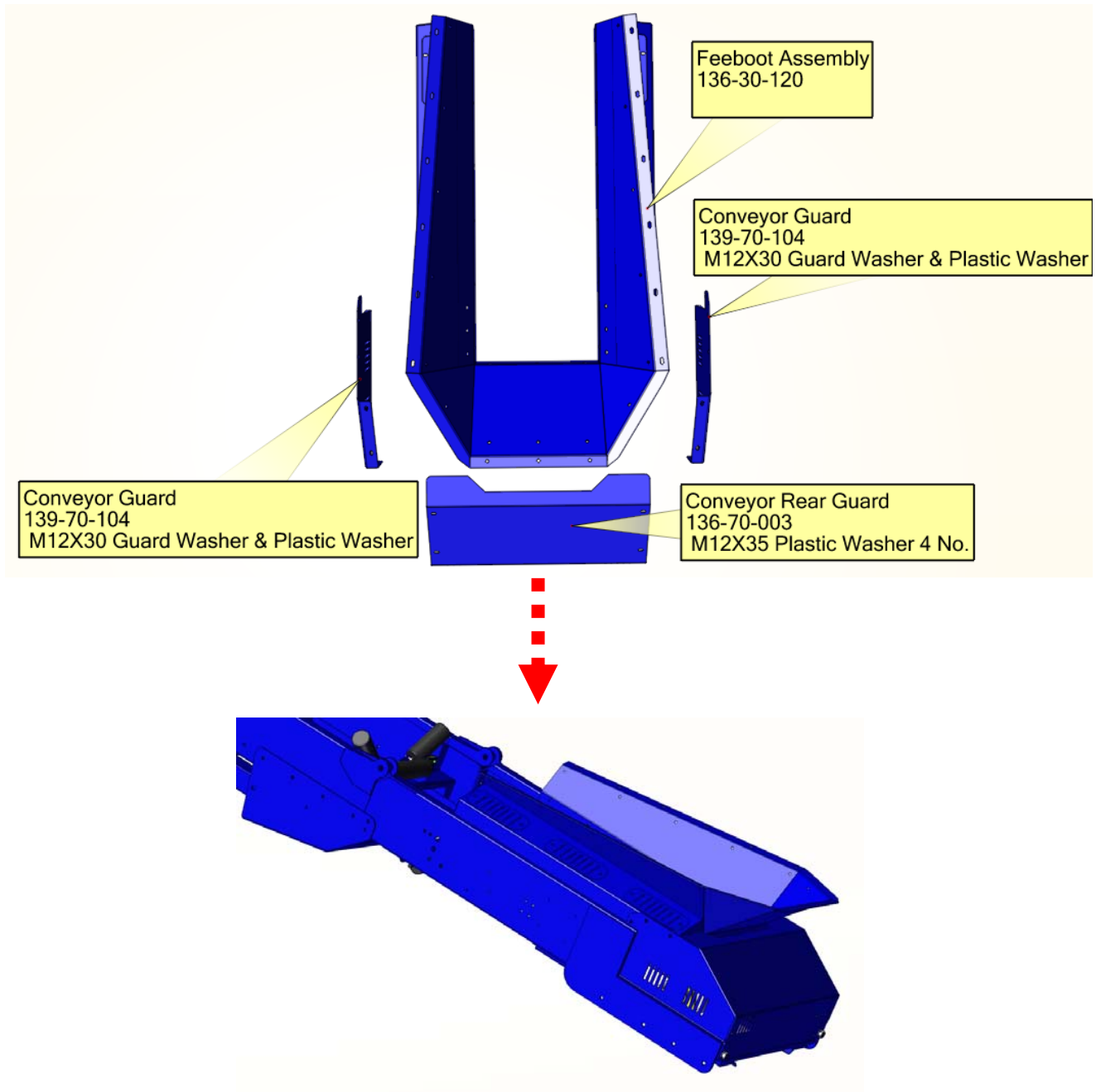


PROMAX MC520

ENGINEERING

STEP THREE

Fit Feedboot Assembly to Main Conveyor Tail Section. Once fitted attach Conveyor Side Guards and Conveyor Rear Guard as illustrated below.

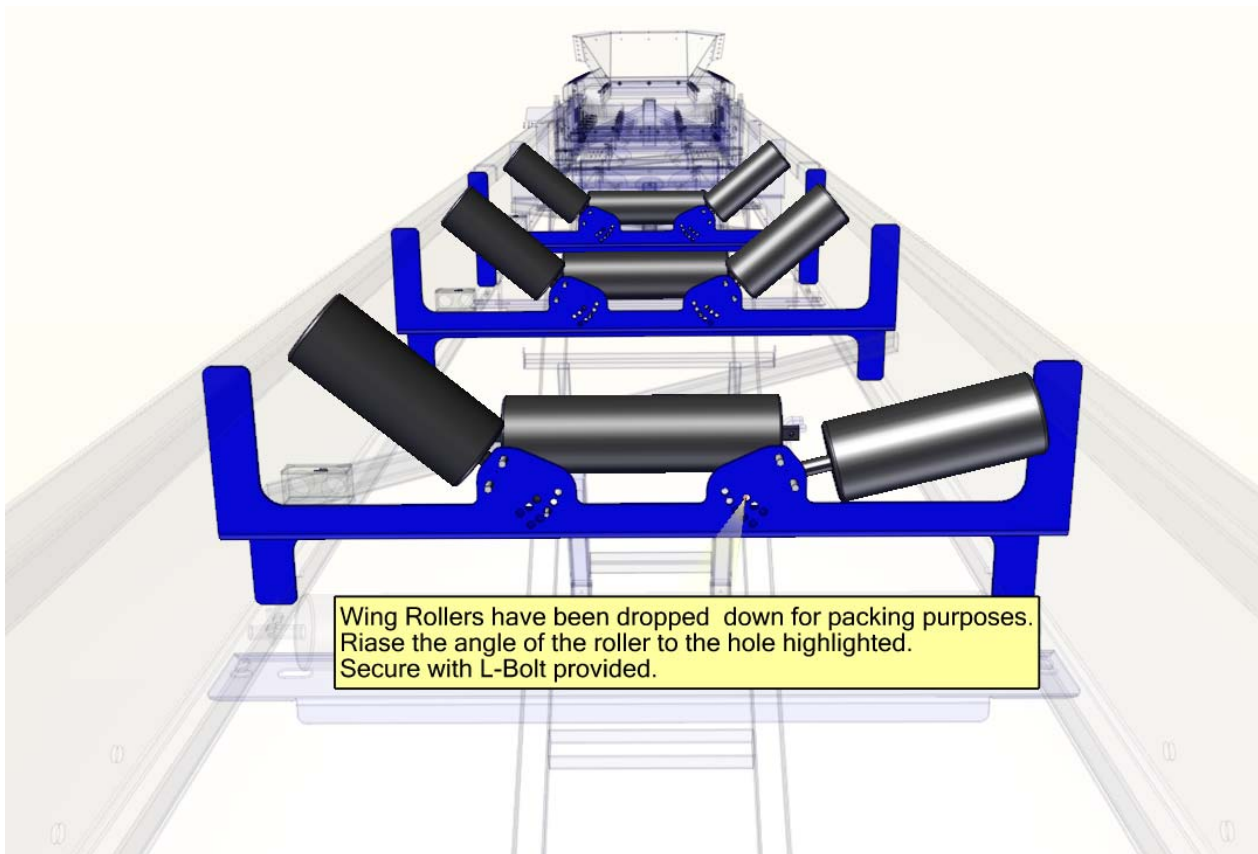
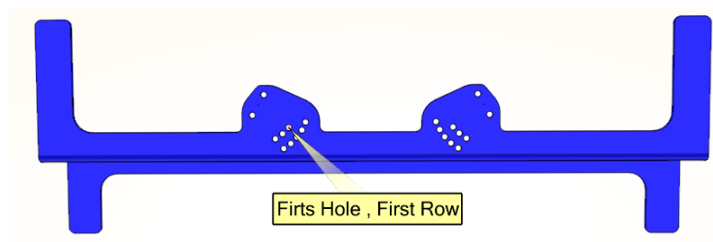


PROMAX MC520

ENGINEERING

STEP FOUR

During Transport of the MS65, the Wing Rollers of the 9th, 10th and 11th Roller Beds have been dropped to gain room for storing components. Wing Rollers should be secured at the First Hole of the First Row. Secure with M8 L-Bolts found in roller bed.



PROMAX MC520

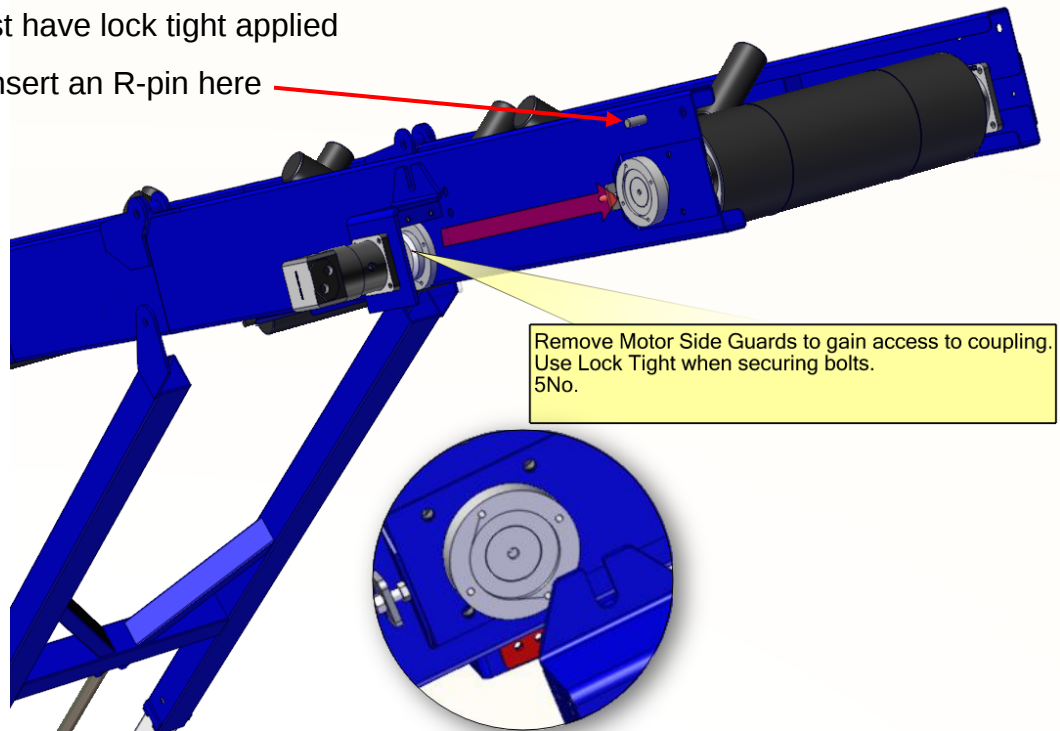
ENGINEERING

STEP FIVE

Now secure the Head Motor Assembly to the Rigid Coupling. Remove the Side Guards from the Motor Guard and align the assembly with the Rigid Coupling on the Conveyor head section as illustrated below. Once aligned, tighten bolts to secure.

Note: Bolts must have lock tight applied

Once secured insert an R-pin here



NB: Grub screws on 40mm and 2 1/2" taperlock must be torqued to 50 Newtons

All bearings must be hand greased before grease pots are fitted

Locktight bolts on Rigid coupling

PROMAX MC520

ENGINEERING

STEP SIX

Once the Hydraulic Head Motor is fitted, remove bungs from hydraulic hosing and reconnect to Conveyor Head Section Bulkheads as shown in diagram below.



ITEM NUMBER	DESCRIPTION	ORIENTATION
1	Drive (Pressure) at Head to Motor	90+ST
2	Return at Tail to Head	90+ST
3	Bleed at Head to Motor	90+ST

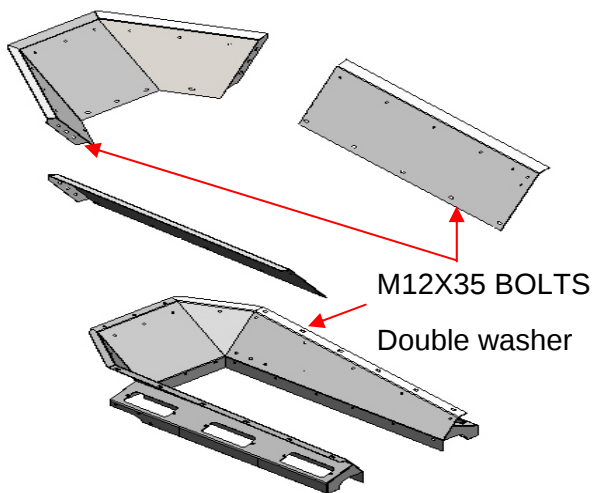
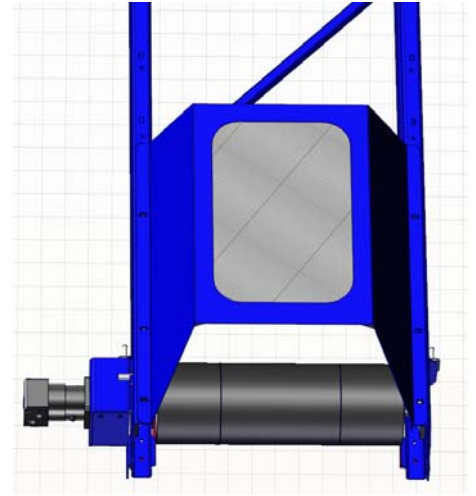
PROMAX MC520

ENGINEERING

STEP SEVEN

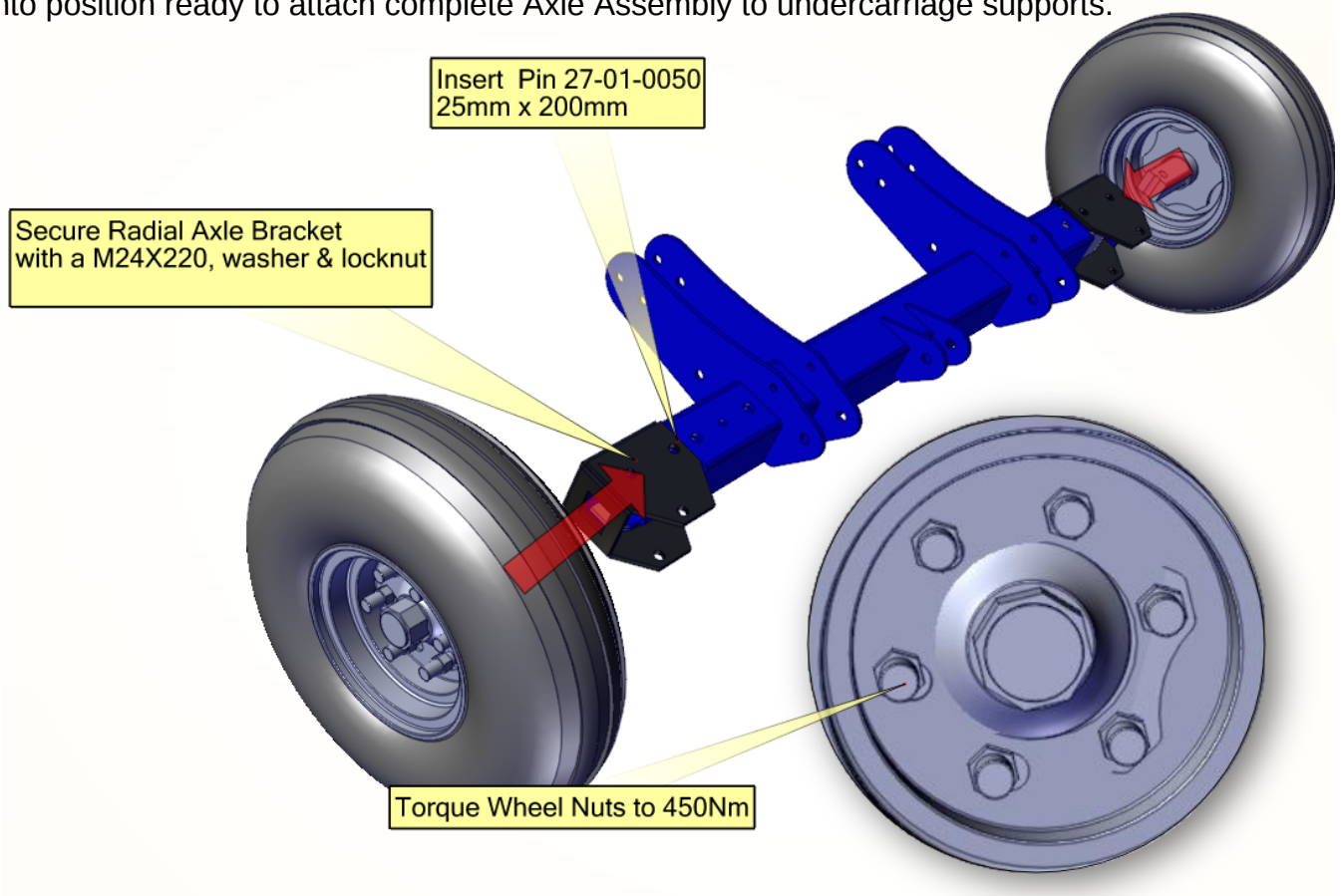
Fit Head Drum Guard - (M12X35, 6No. Guard washer showing & an M12 washer underneath)

Once fitted attached Feedboot Extensions with bolts & nuts provided (M12 X 35 with M12 Double Washers)



STEP EIGHT

Fit Wheels and Stubs to Axle Assembly as shown in illustration below. Once fitted lift conveyor into position ready to attach complete Axle Assembly to undercarriage supports.

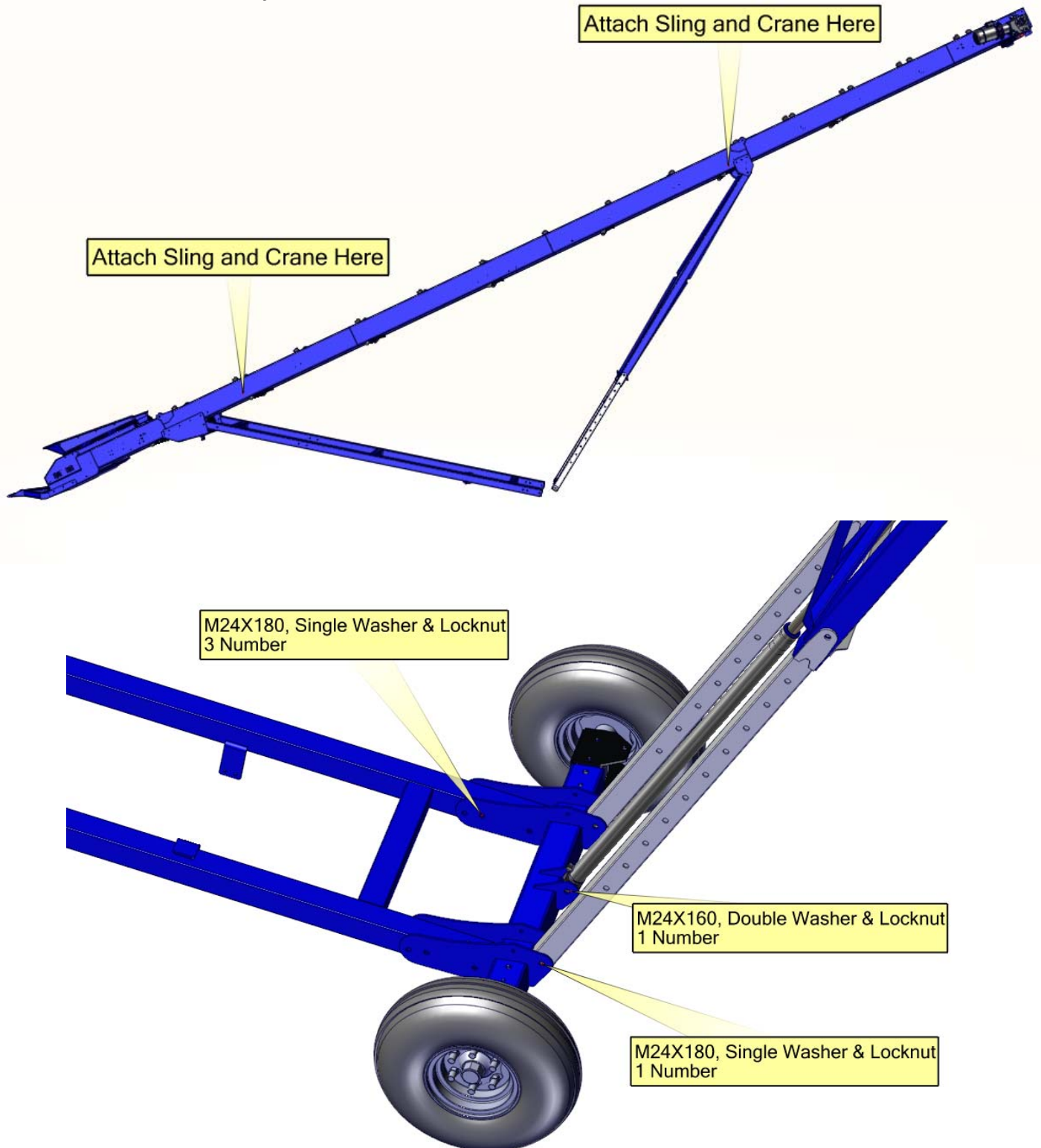


PROMAX MC520

ENGINEERING

STEP NINE

Attach slings and lift Main Conveyor Assembly at points shown in image below. Once in position move the Main Axle Assembly (**136-20-203**) into position to fix the Conveyor Support Assembly (**136-30-702**), Inner Conveyor Support (**139-30-700**) and Conveyor Ram Assembly (**25-02-0210**) to the Main Axle Assembly



Once secured in position lower the Conveyor so that the Conveyor Supports take the weight, slacken chains and remove slings.

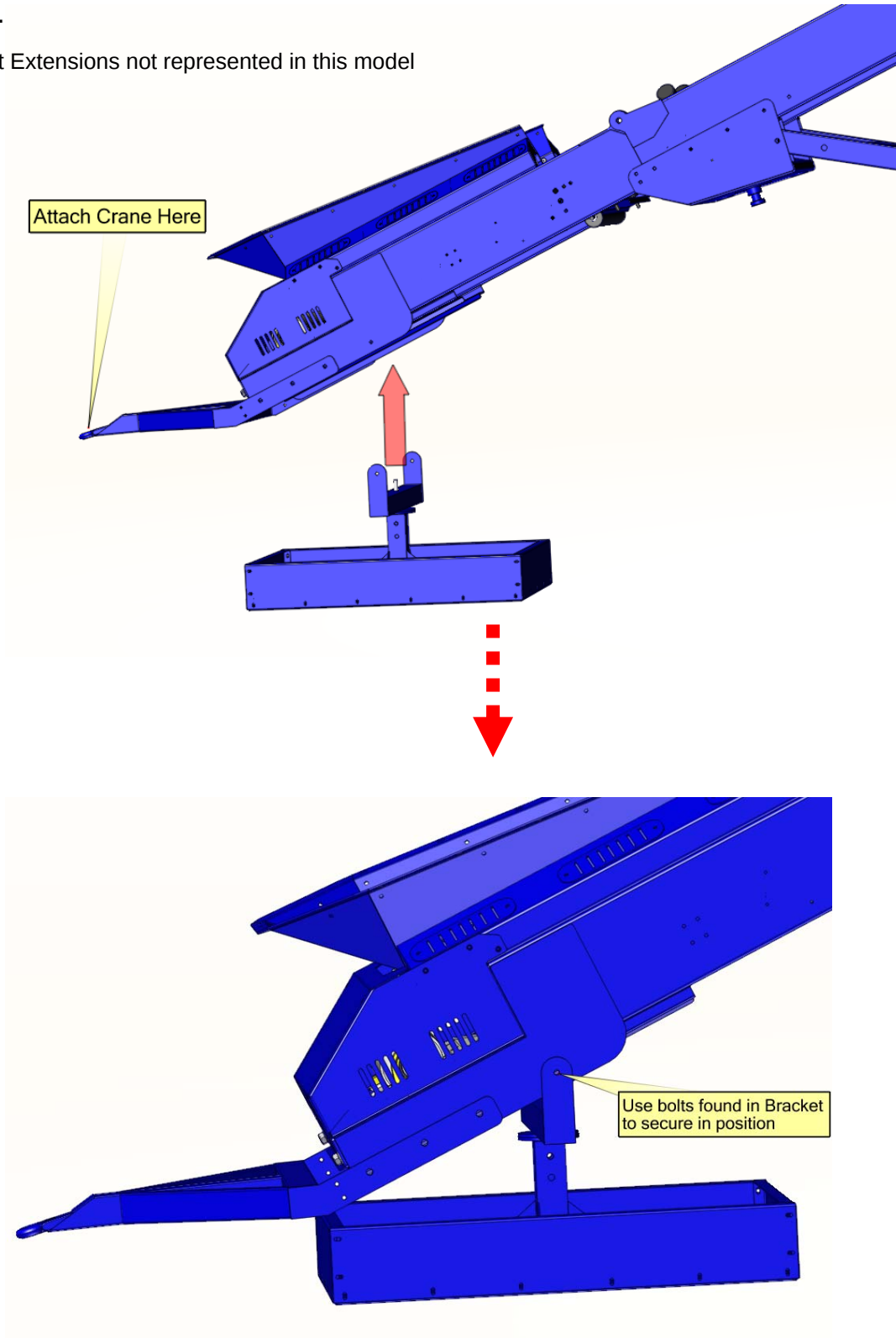
PROMAX MC520

ENGINEERING

STEP TEN

Fit Ballast Box Assembly to Conveyor Tail Section. Attach a crane to the Towbar Eye and lift up only enough to allow the Ballast Box to be manoeuvred into position. Fix in position with bolts provided.

* Feedboot Extensions not represented in this model

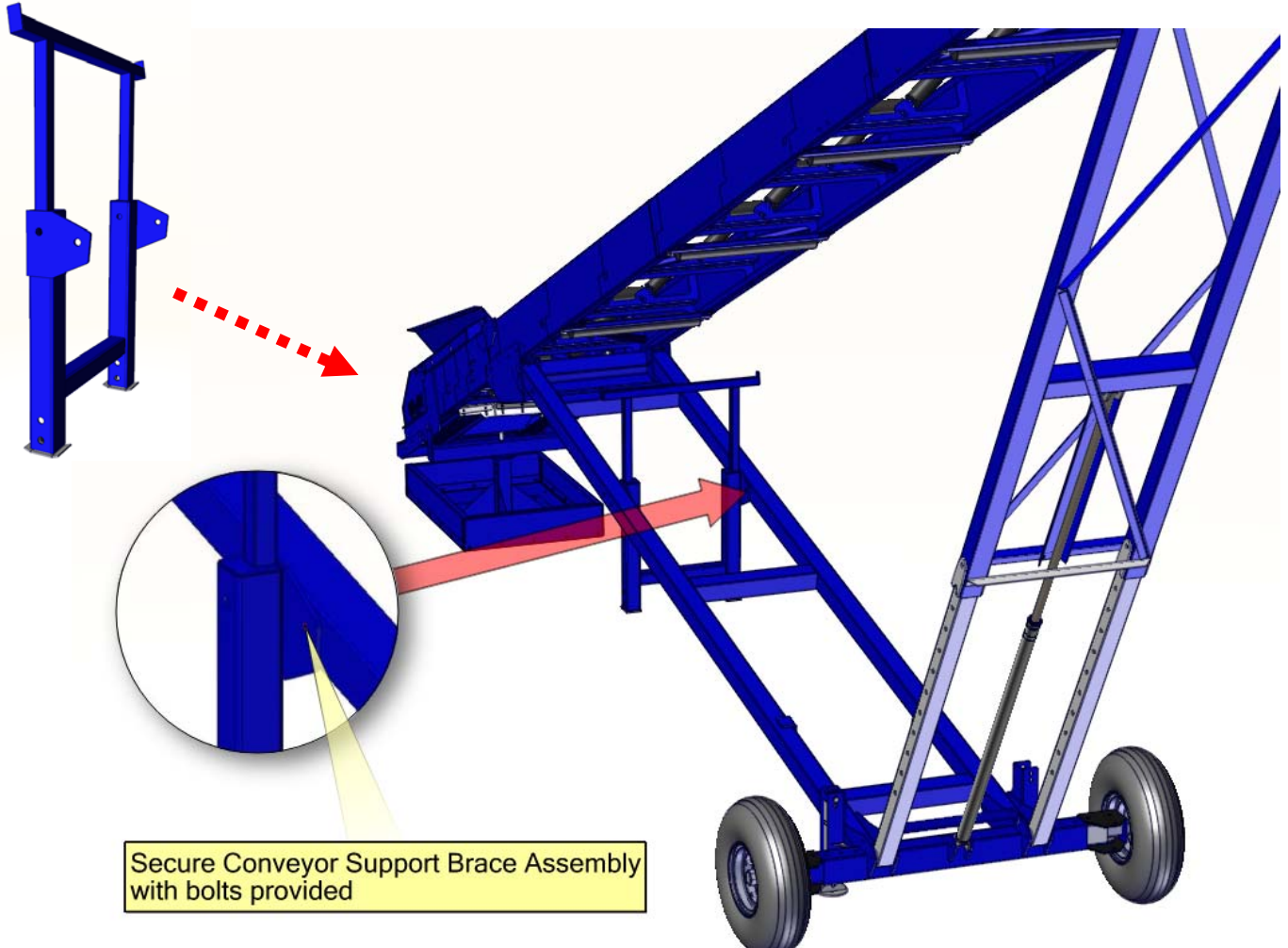


PROMAX MC520

ENGINEERING

STEP ELEVEN

Fit Conveyor Support Brace Assembly onto Conveyor Support Assembly.

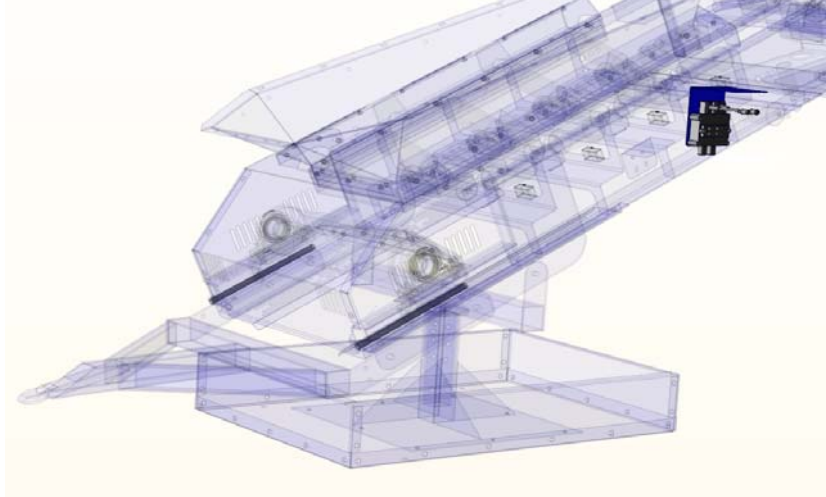


PROMAX MC520

ENGINEERING

STEP TWELVE

Fit the Two Bank Control Valve with Bracket to Conveyor Tail Section with bolts provided. Once in place, reconnect hydraulic hosing to Conveyor Bulkheads as showed below.



Hose runs through undercarriage to Main Lift Ram



Ram
(MS65)- 2 hoses for the Ram;
7100mm long 90+90 from valve
Bank to Bulkhead
1450mm 90+90 from Tail Bulkhead
to Ram

**Connects to Ram using a 3/4"X
3/8" M/M adapter**

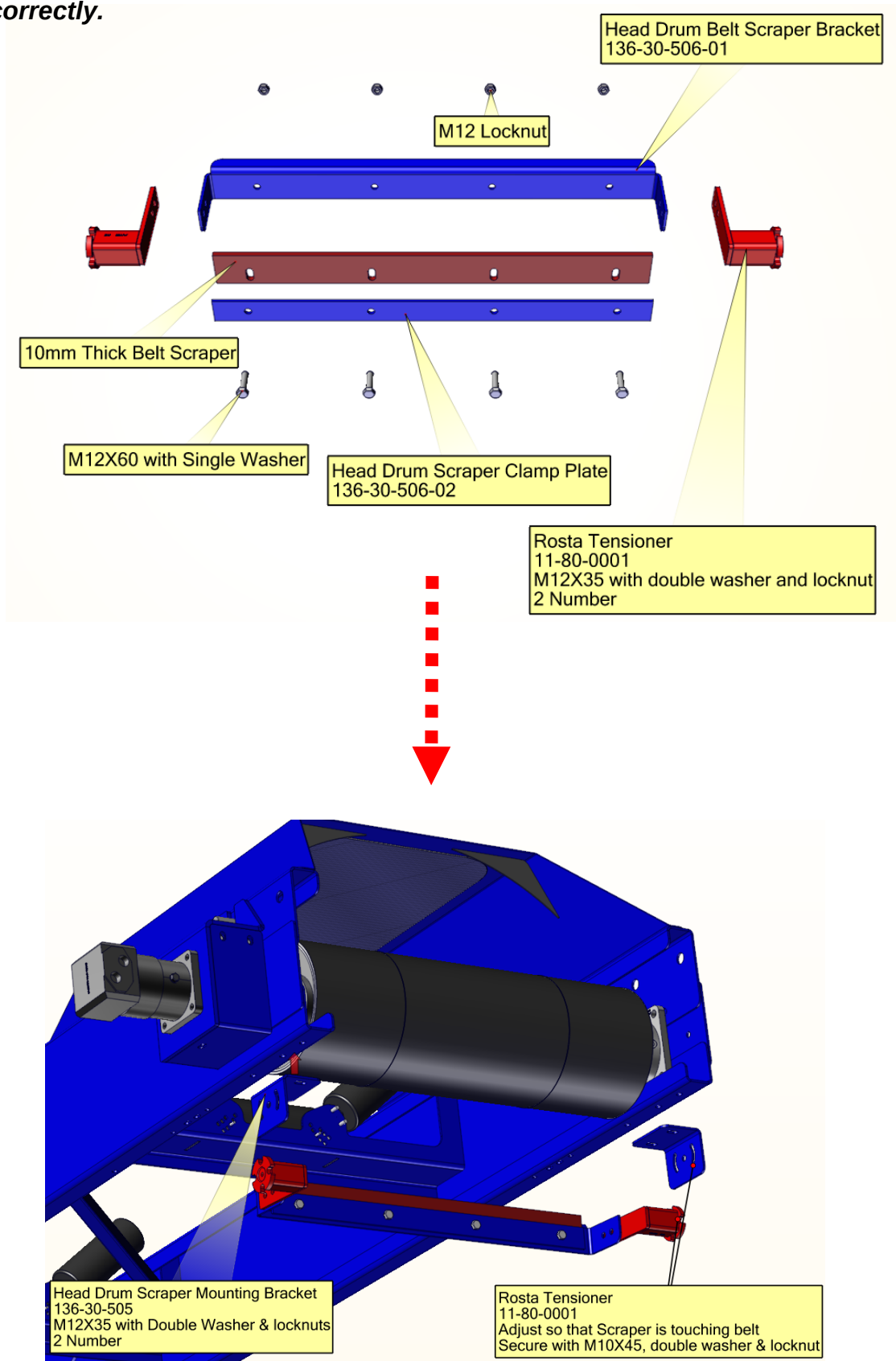


PROMAX MC520

ENGINEERING

STEP THIRTEEN

Once the conveyor is lifted and secured to undercarriage supports, fit the Head Drum Scraper to Conveyor Head Section as illustrated below. ***Do not fully adjust Belt Scraper until belt is tightened correctly.***



PROMAX MC520

ENGINEERING

STEP FOURTEEN

Finally, couple the conveyor to Powersource and run conveyor to check belt alignment. Follow the instructions set out in your MS-Series Operational manual and illustrations below.

