

Keep With Operators Manual

**LOADER MOUNT KIT
2409 LOADER
AGCO ST45, ST55 and MASSEY FERGUSON 1165, 1445,
1455, 1455V TRACTORS**

MODEL	2WD	FWA	CAB	LESS CAB
AGCO ST45		X		X
AGCO ST55		X		X
MF 1165		X		X
MF 1445		X		X
MF 1455		X		X
MF 1455V		X		X

Mount kit can be installed using tools ordinarily available. Shut off engine and engage brakes during installation.

Check tire clearances once loader is installed and adjust tire tread width and/or turning radius if necessary.

NOTE: *Unless specified, leave all attaching hardware loose until loader is completely assembled to facilitate assembly and proper alignment. Torque hardware to specifications listed on page 5.*

TRACTOR PREPARATION

1. Shut off engine and engage brakes during installation of mount kit.
2. Remove front weight bracket.
3. Raise hood and remove hood side panels to prevent damage during loader mount installation.

INSTALLING LOADER MOUNT BRACKETS (Figure 1)

1. Attach front mount bracket (3) using 14MM x 35MM cap screws (9) and 9/16 lock washers (15).
2. Remove and discard 14MM cap screws and lock washers where mid mount brackets are bolted to tractor frame.

3. Attach mid mounting brackets (1 & 2) to mounting pads below tractor platform using 16MM x 40MM cap screws (6) and 5/8 lock washers (10). Leave 16MM cap screws (6) and 5/8 lock washers (10) loose to ease installation.

A) AGCO ST45, MF1165 and MF 1445 requires two 5/8 spacers (5) each side between mid mounting bracket and tractor frame.

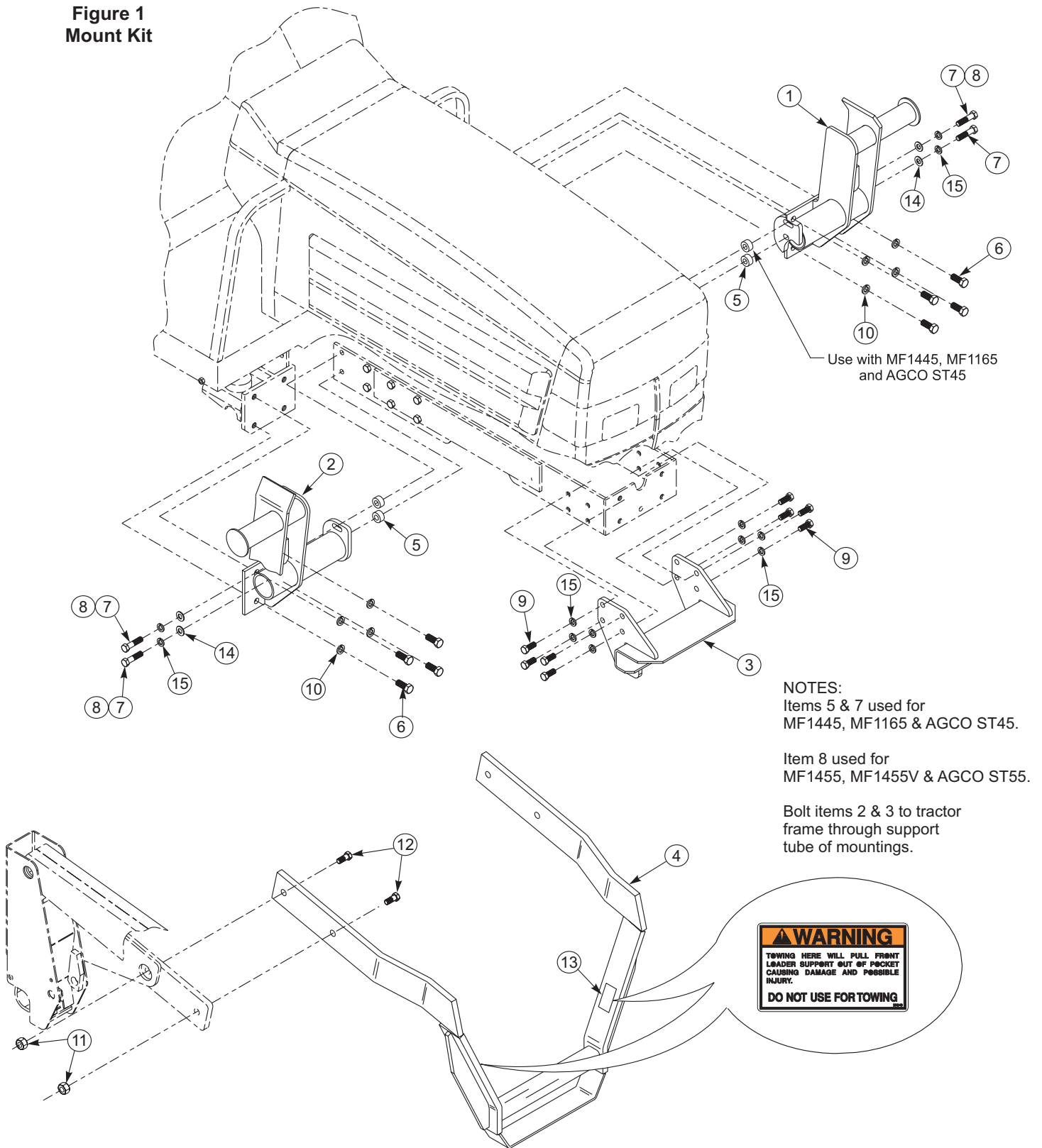
B) AGCO ST45, MF1165 and MF1445 - Install mid mounting bracket (1 & 2) to tractor frame using 14MM x 60MM cap screws (7), 9/16 flat washers (14) and 9/16 lock washers (15).

C) AGCO ST55, MF1455 and MF1455V - Install mid mounting brackets (1 & 2) to tractor frame using 14MM x 40MM cap screws (8), 9/16 flat washers (14) and 9/16 lock washers (15).

To access bottom hole on frame, 14MM bolt (7 or 8), 9/16 flat washer (14) and 9/16 lock washer (15) must pass through support tube of mid mounting assembly (1 & 2).

4. Reinstall hood side panels and lower hood to locked position.

Figure 1
Mount Kit



PARTS LIST - MOUNT KIT

ITEM	Part No.	DESCRIPTION	QTY.
1	52004	MID MOUNTING ASSEMBLY, Left	1
2	52005	MID MOUNTING ASSEMBLY, Right	1
3	52017	FRONT MOUNT ASSEMBLY	1
4	52138	YOKE ASSEMBLY, with Decal	1
5	43395-6	SPACER, Tube 5/8 YDP	4
6	42672-15	SCREW, Cap, 16MM-2.00MM x 40MM	8
7	42672-43	SCREW, Cap, 14MM-2.00MM x 60MM	4
8	42672-46	SCREW, Cap, 14MM-2.00 x 40MM	4
9	42672-51	SCREW, Cap, 14MM-2.00 x 35MM	8
10	41837-7	WASHER, Lock, 5/8 YDP	8
11	41840-8	NUT, Lock, 3/4-10 YDP	4
12	41838-7	SCREW, Cap, 3/4-10 x 2.50 YDP	4
13	39240	DECAL, "WARNING, Do Not Use For Towing"	2
14	42502-11	WASHER, Flat, 9/16"	4
15	41837-6	WASHER, Lock, 9/16"	12

INSTALLING YOKE ONTO LOADER

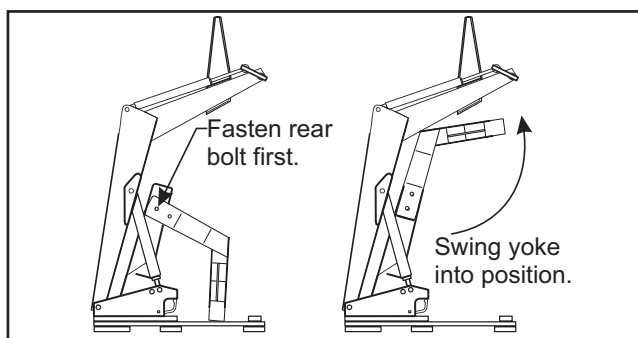


WARNING: Be sure to support loader using an overhead hoist. Boom may fall causing serious personal injury permit.

Install yoke assembly (4) using 3/4 x 2-1/2 cap screws (12) and 3/4 lock nuts (11). Install rear cap screws first, then swing yoke into position and install front cap screws.

IMPORTANT: Install 3/4 x 2-1/2 cap screws (12) from the inside with lock nuts (11) on the outside of yoke.

NOTE: Hardware connecting yoke to loader side frames should be snug, but do not torque completely. After loader has been mounted to tractor and aligned with mid mounting brackets and front mounting brackets, torque hardware to 239-262 ft.-lb.

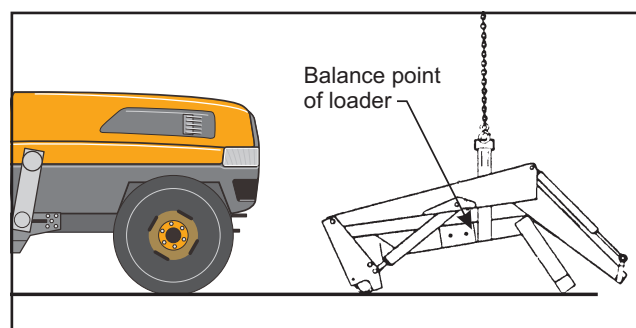


INSTALLING LOADER TO MOUNTING BRACKETS



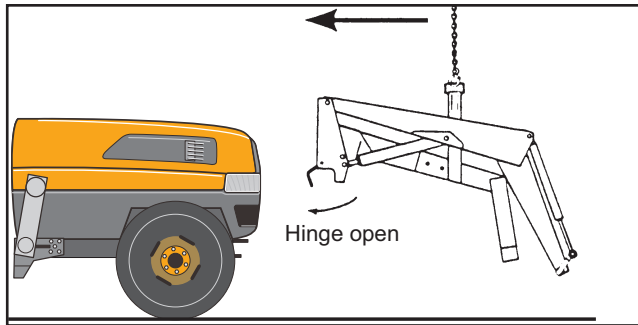
WARNING: To avoid injury during installation of quick attach loader, do not permit bystanders within ten feet of loader.

1. Remove hardware which secures loader to pallet. Using overhead hoist, lower loader from vertical shipping position to horizontal position (use scraps of cardboard to protect paint).
2. Reposition overhead hoist by looping nylon strap around yoke near loader side frames at balance point of loader.
3. Using overhead hoist, raise loader until side frame uprights will clear front tires. Remove lock nut and washer from loader hinge and swing each hinge open..



INSTALLING LOADER TO MOUNTING BRACKETS
(Continued)

4. Install hose or valve kit to tractor and loader. Refer to installation instructions provided with hose or valve kit.



5. Position loader so hinges hook over mid mounting tubes and yoke tube fits inside front mounting bracket.
6. Clamp hinges to mid mounting tubes with 3/4 flat washers and 3/4 flex-lock nuts (supplied with loader).

IMPORTANT: Be sure to use flex-lock nuts to clamp hinge. Tighten flex-lock nuts against hinge securely, but not to more than 125 ft.-lb. Torque.

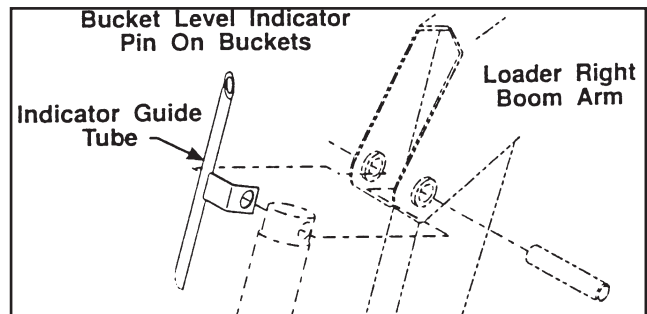
7. Adjust front wheel tread settings of steering stops, if necessary to prevent interference between tires and loader. Refer to tractor operator's manual for adjustment procedures.
8. Install hose or valve kit to tractor and loader. Refer to instructions provided for installation instructions.

INSTALLING BUCKET OR OPTIONAL ATTACHMENT

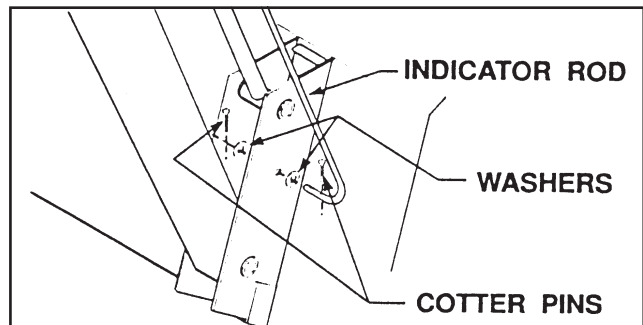
Refer to instructions provided with bucket or loader attachment to install bucket or attachment onto loader.

INSTALLING BUCKET LEVEL INDICATOR

1. Attach indicator guide tube to cylinder pin. Guide tube is positioned to outside of boom for pin on attachments and inside of boom when quick attach device is used.



2. Slide bucket level indicator rod through guide tube. Attach other end of rod with 1/8 x 1 cotter pins and 3/8 flat washers.









3. Locate tractor and loader on level surface. With bottom of bucket resting on surface, cut off excess rod flush with end of guide tube or paint exposed rod a contrasting color.

GENERAL TORQUE SPECIFICATIONS

USE THE FOLLOWING TORQUES WHEN SPECIAL TORQUES ARE NOT GIVEN

Standard American and Metric Cap Screws

AMERICAN STANDARD CAP SCREWS									METRIC CAP SCREWS								
SAE Grade	5				8				Metric Class	8.8				10.9			
Typ. Head Markings									Typ. Head Markings	 				 			
Cap Screw	TORQUE				TORQUE				Cap Screw	TORQUE				TORQUE			
Size	FT-LBS		N-m		FT-LBS		N-m		Size	FT-LBS		N-m		FT-LBS		N-m	
Inches	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	Millimeters	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
1/4 - 20	6.25	7.25	8.5	10	8.25	9.5	11	13	M6 x 1.00	6	8	8	11	9	11	12	15
1/4 - 28	8	9	11	12	10.5	12	14	16	M8 x 1.25	16	20	21.5	27	23	27	31	36.5
5/16 - 18	14	15	19	20	18.5	20	25	27	M10 x 1.50	29	35	39	47	42	52	57	70
5/16 - 24	17.5	19	23	26	23	25	31	34	M12 x 1.75	52	62	70	84	75	91	102	123
3/8 - 16	26	28	35	38	35	37	47.5	50	M14 x 2.00	85	103	115	139	120	146	163	198
3/8 - 24	31	34	42	46	41	45	55.5	61	M16 x 2.50	130	158	176	214	176	216	238	293
7/16 - 14	41	45	55.5	61	55	60	74.5	81	M18 x 2.50	172	210	233	284	240	294	325	398
7/16 - 20	51	55	69	74.5	68	75	92	102	M20 x 2.50	247	301	335	408	343	426	465	577
1/2 - 13	65	72	88	97.5	86	96	116	130	M22 x 2.50	332	404	450	547	472	576	639	780
1/2 - 20	76	84	103	114	102	112	138	152	M24 x 3.00	423	517	573	700	599	732	812	992
9/16 - 12	95	105	129	142	127	140	172	190	M27 x 3.00	637	779	863	1055	898	1098	1217	1488
9/16 - 18	111	123	150	167	148	164	200	222	M30 x 3.00	872	1066	1181	1444	1224	1496	1658	2027
5/8 - 11	126	139	171	188	168	185	228	251	<p>NOTE: These values apply to fasteners as received from supplier, dry or when lubricated with normal engine oil. They do not apply if special graphite or molysulphide greases or other extreme lubricants are used.</p>								
5/8 - 18	152	168	206	228	203	224	275	304									
3/4 - 10	238	262	322	355	318	350	431	474									
3/4 - 16	274	305	371	409	365	402	495	544									
7/8 - 9	350	386	474	523	466	515	631	698									
7/8 - 14	407	448	551	607	543	597	736	809									
1 - 8	537	592	728	802	716	790	970	1070									
1 - 14	670	740	908	1003	894	987	1211	1337									

INSTALLATION INSTRUCTIONS